

Lent to Prof.Greenwood,
School of Hygiene.



ANNUAL REPORT

ON THE

HEALTH

OF THE

CITY OF SHEFFIELD,

For the Year 1915.

HAROLD SCURFIELD, M.D., C.M.,

Medical Officer of Health

City of Sheffield.

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DEPARTMENT OF THE MEDICAL OFFICER OF HEALTH,

TOWN HALL, SHEFFIELD,

SEPTEMBER, 1916.

TO THE CHAIRMAN AND MEMBERS OF THE HEALTH COMMITTEE.

GENTLEMEN,

VITAL AND MORTAL STATISTICS.

General. The principal features of the Public Health statistics for 1915 as compared with those of the previous decade may be summarised as follows:—The birth rate was exceptionally low, and the death rates from Measles, Diphtheria, Bronchitis, Pneumonia and Tuberculosis of the lungs were exceptionally high. The deaths from Cancer were also above the average.

Population. The estimate of the civil population of the City, made by the Registrar General, for the year 1915 was 476,012.

Marriages. There has been a great increase in the marriage rate during 1915. This is brought out in Table 1. There were 843 more marriages in 1915 than in 1914. On the Registrar General's population figure, this gives a rate per thousand of the population of 20·6, which is higher than for any year of which we have records. The rate is somewhat overstated, because the Registrar General's population figure has been reduced by making an allowance for the members of the population who are serving in the Army. If, however, the population had been calculated in the ordinary way, the marriage rate would still have been 20·1 per thousand, a figure considerably higher than in any previous year.

Births. The number of births registered during the year was 12,162, and the transferable births numbered 8 inwards and 31 outwards. The number of births allocated to Sheffield, therefore, was 12,139, which was less than in the previous year by 865. This figure gives a birth rate of 25·5 per 1,000 persons living. The average rate for the previous 10 years was 29·5. The annual rates were as follows:—

1905	...	...	...	30·6	1910	...	...	...	28·1
1906	...	...	...	31·1	1911	...	...	...	27·7
1907	...	...	...	32·3	1912	...	...	...	27·7
1908	...	...	...	32·3	1913	...	...	...	28·2
1909	...	...	...	29·8	1914	...	...	...	27·3

This birth rate is the lowest ever recorded, and it will be seen that it is 1·8 per 1,000 lower than that for the previous year, and 4·0 lower than the average for the last decade. The decline in the number of births which has taken place since the outbreak of War applies equally to legitimate and illegitimate births. For the three years before the War, the percentage of illegitimate births was 4·4, during 1914 it was 4·3, and during 1915 it was 4·2.

Deaths.

The number of deaths of Sheffield residents during the year, exclusive of men in the Army, was 8,173 (4,444 male, 3,729 female), making a death rate of 17·2 per 1,000 persons living. This is the highest mortality rate since 1907 and has to be compared with 16·3 for the previous year and an average of 16·2 for the decade 1905-1914. The deaths of soldiers in Sheffield numbered 70.

The annual rates for the last 10 years were as follows :—

1905	...	...	...	17·6	1910	...	...	...	14·2
1906	...	...	...	17·3	1911	...	...	...	16·1
1907	...	...	...	17·8	1912	...	...	...	14·3
1908	...	...	...	16·6	1913	...	...	...	15·8
1909	...	...	...	15·9	1914	...	...	...	16·3

Small Pox.

There was no case of Small Pox notified during the year.

Measles.

A high death rate from Measles has to be recorded again, the death rate being 1·35 as compared with 0·77 for 1914, and 0·72 for the decade 1905-1914.

This is the highest death rate which has been recorded from Measles during the last 20 years with the exception of 1911. April, May and June were the months when the Measles mortality was heaviest.

As mentioned last year, the tendency recently has been to have shorter intervals between the epidemics.

Scarlet Fever.

The death rate from Scarlet Fever was 0·11 per 1,000 of the population, which has to be compared with 0·19 for 1914, and an average of 0·17 for the decade 1905-1914.

The attack rate was 4·6 per 1,000. The average attack rate for the decade 1905-1914 was 5·4 per 1,000 persons living, per annum. There were 19 cases among soldiers in the city.

Diphtheria.

The death rate from Diphtheria was 0·21 per 1,000 of the population. This rate is the highest since 1902 and is higher than the average for the previous 10 years by 0·09.

The number of cases of sickness reported during 1915 was 1,019, which is the highest number since the year 1901 and is 474 above the average of the previous 10 years. There were, in addition, three cases among soldiers in the city.

Whooping Cough.

The mortality from Whooping Cough was at the rate of 0·21 per 1,000 living, which is 0·28 lower than that for 1914, and 0·11 lower than the average for the previous 10 years.

Typhoid Fever.

The death rate from Typhoid Fever for 1915 was 0·04 per 1,000, which is the lowest on record.

The number of Typhoid cases notified during the year was 63, which compares with 113 for the previous year, and is the smallest number on record for any year since compulsory notification was adopted. The nearest number was 74 in 1913. There were, in addition, 5 cases among soldiers in the city during the year 1915.

At one time we looked forward with absolute certainty to the increase of Typhoid Fever in the autumn. The increase was usually more if the summer was hot. In 1911, in which the summer was hot, there was a considerable autumnal increase. In 1912 and 1913, the increase was much less marked. In 1914 and 1915, there was no autumnal increase in the prevalence of Typhoid Fever.

Diarrhœa and Enteritis (under 2 years of age).

The death rate from Diarrhœa and Enteritis (under 2 years of age) during 1915 was 0·86 per 1,000 living. This has to be compared with 0·89 for 1914 and 1913, and 0·30 for 1912.

Cerebro-Spinal Fever.

During the year there were 3 notified cases of Cerebro-Spinal Fever, two of which were fatal.

Acute Poliomyelitis.

Seven cases of Acute Poliomyelitis were notified and 2 deaths were reported from this disease during the year.

Tuberculous Diseases.

The death rate from all Tuberculous diseases was 1·78 per 1,000 persons living. During the decade 1905-1914 the rate was 1·62. The deaths from Tuberculosis of the Lung alone gave a rate of 1·37 per 1,000 which is higher than the rate for the preceding decade by 0·19.

1,219 new cases of sickness from Tuberculosis of the Lungs were notified during the year among the civil population, as compared with 948 in 1914, 1,033 in 1913, 981 in 1912, 836 in 1911, 667 in 1910, and 712 in 1909. There were, in addition, 13 cases among soldiers in the city during 1915.

By a General Order of the Local Government Board, dated 19th December, 1912, all forms of Tuberculosis became compulsorily notifiable from the 1st February, 1913. This has had the effect in Sheffield of bringing to the notice of the Medical Officer of Health 822 cases of Tuberculosis of other organs than the lungs during 1913, 458 during 1914 and 372 during 1915.

The death rates from all Tuberculous diseases during the last 16 years are as follows :—

1900	...	...	...	2·93	1908	...	...	...	1·78
1901	...	...	...	2·07	1909	...	...	...	1·57
1902	...	...	...	1·80	1910	...	...	...	1·39
1903	...	...	...	2·11	1911	...	...	...	1·59
1904	...	...	...	1·88	1912	...	...	...	1·67
1905	...	...	...	1·64	1913	...	...	...	1·64
1906	...	...	...	1·52	1914	...	...	...	1·68
1907	...	...	...	1·70	1915	...	...	...	1·78

Infant Mortality.

The number of deaths of infants under one year of age was 1,619, as compared with 1,714 in 1914. The number of births in 1915 was 12,162 as compared with 13,604 in 1914. The Infant Mortality is usually recorded as the number of deaths occurring under the age of twelve months per 1,000 births during the same period, and the rate for 1915 calculated in this manner is 133 per 1,000 births as compared with 132 for 1914.

The following table shows the Infant Mortality rates for the previous 19 years in the City of Sheffield, and the excess over the English rate for each year.

YEAR.	Infant Mortality.	Excess over English Rate.	YEAR.	Infant Mortality.	Excess over English rate.
1897	196	40	1907	145	27
1898	195	35	1908	141	21
1899	194	31	1909	119	10
1900	200	46	1910	127	22
1901	202	51	1911	141	11
1902	150	17	1912	107	12
1903	181	49	1913	128	15
1904	158	13	1914	132	27
1905	166	38	1915	133	23
1906	158	26			

WORK OF THE TUBERCULOSIS DISPENSARY.

By John Rennie, M.D., Tuberculosis Medical Officer.

The Dispensary is situate in three of the Corporation flats in Hawley Street, and is open from 9.0 a.m. to 5.30 p.m., except on Saturdays, when the hours are from 9.0 a.m. to 12.30 p.m. Patients are seen on Mondays, Wednesdays and Thursdays in the mornings and afternoons, Tuesdays and Fridays in the afternoons and evenings, and on Saturday mornings. During the year Dr. William MacAdam took up military duties and Dr. Thomas W. Ruttledge was appointed ; Dr. James Carrick also resigned and was succeeded by Dr. A. G. Hottlet. One of the School Medical Officers continued to attend at the Dispensary every Wednesday morning to assist in the work of treating tuberculous school children.

During the year 1,232 new cases of tuberculosis of the lungs were brought to the notice of the Health Department, an increase of 284 on the 1914 figures. Fifty-nine of these cases were not notified during life, but were obtained from the Death Returns of the District Registrars. Table A shows the notifications split up into sex and age periods.

Table A.—NOTIFICATIONS OF PULMONARY TUBERCULOSIS, DIVIDED INTO SEX AND AGE GROUPS.

	Under 1 year.	1 and under 5 years	5 and under 10 yrs.	10 and under 15 yrs.	15 and under 20 yrs.	20 and under 25 yrs.	25 and under 35 yrs.	35 and under 45 yrs.	45 and under 55 yrs.	55 and under 65 yrs.	65 and up- wards.	Total.
Males ...	8	23	73	44	46	60	122	165	125	72	19	757
Females ...	1	22	52	50	36	69	96	78	42	14	15	475
TOTAL ...	9	45	125	94	82	129	218	243	167	86	34	1232

The number of new cases of non-pulmonary tuberculosis brought to the notice of the Health Department was 372 as compared with 458 for 1914. 104 were not notified during life. Table B shows these cases divided into sex and age groups whilst Table C shows the localisation of the disease.

Table B.—NOTIFICATIONS OF NON-PULMONARY TUBERCULOSIS, DIVIDED INTO SEX AND AGE GROUPS.

	Under 1 year.	1 and under 5 years	5 and under 10 yrs.	10 and under 15 yrs.	15 and under 20 yrs.	20 and under 25 yrs.	25 and under 35 yrs.	35 and under 45 yrs.	45 and under 55 yrs.	55 and under 65 yrs.	65 and up- wards.	Total.
Males ...	27	65	31	24	20	4	15	6	7	—	2	201
Females ...	15	50	28	23	22	9	12	6	3	1	2	171
TOTAL ...	42	115	59	47	42	13	27	12	10	1	4	372

Table C.—NOTIFICATIONS OF NON-PULMONARY TUBERCULOSIS, SHOWING THE LOCALISATION OF THE DISEASE.

BONES AND JOINTS.							
Spine	...	...	19	Meninges	...	...	95
Hip Joint	...	...	15	Abdomen	...	...	88
Knee Joint	...	...	8	Glands—Cervical	...	...	64
Ankle Joint	...	...	6	Axillary	...	...	1
Elbow Joint...	...	...	1	Mediastinal	...	...	2
Sacro-iliac Joint	...	...	1	Localisation			
Rib	...	...	2	undefined	...	...	7
Bones of Fingers	...	...	4	General Tuberculosis	...	...	21
Bones of Feet	...	...	3	Urinary Tract	...	...	13
Wrist	...	...	2	Face	...	...	5
Femur	...	...	1	Skin	...	...	10
Radius	...	...	1	Ulcers	...	...	1
Shoulder	...	...	1				
Tibia	...	...	1				
			—				307
			65				—
			—				—
				TOTAL	...	...	372
							—

401 of the 1,232 cases of tuberculosis of the lungs notified were known to be infectious, tubercle bacilli having been found in the sputum, as compared with 422 for 1914, and 419 for 1913.

On December 31st, 1915, there were 1,911 cases of tuberculosis of the lungs on the books, of whom 807 were known to be infectious, as compared with 618 infectious cases on December 31st, 1914.

It is estimated that 920 of the 1,232 notifications received came under the treatment and supervision of the Dispensary during the year.

Fifty-seven cases were known to have left the city, 50 were lost sight of, and 62 cases were cancelled as being free from any sign of active tuberculosis.

During the year the male tuberculosis inspectors visited 1,154 of the lung cases notified, and 351 of the non-pulmonary cases, and obtained the usual particulars. In the case of 78 notifications of pulmonary and of 21 of non-pulmonary tuberculosis the inspector was unable to obtain particulars, owing to the cases having no permanent place of residence, etc. Sixty periodic visits were made and 1,958 visits were made for special investigation and for disinfection after removal to hospital or to a new address, or after death. In 1,092 cases the house was sprayed throughout. The total number of rooms disinfected during the year was 5,882. Ten reports of structural defects in houses were made to the district inspectors of nuisances, and in 137 cases where the patient was employed in a factory or workshop a report was sent to the workshops inspector.

The women inspectors made 5,570 periodic visits to the homes of notified cases, and there were 1,495 patients on their visiting lists on December 31st, 1915. 264 of the remaining cases on the books were non-infectious cases in which the home conditions were satisfactory, and the others were cases in which the circumstances were such that periodic visiting was considered unnecessary.

The number of deaths from pulmonary tuberculosis was 653, including 33 deaths of Sheffield residents occurring outside the city, as compared with 607 for 1914; whilst there were 196 deaths from non-pulmonary tuberculosis including 6 deaths of Sheffield residents occurring outside the city, as compared with 192 for 1914. Table D shows the deaths from pulmonary and non-pulmonary tuberculosis split up into sex and age groups.

Table D.—DEATHS FROM TUBERCULOSIS, DIVIDED INTO SEX AND AGE GROUPS.

	Under 1 year.	1 and under 5 years	5 and under 10 yrs.	10 and under 15 yrs.	15 and under 20 yrs.	20 and under 25 yrs.	25 and under 35 yrs.	35 and under 45 yrs.	45 and under 55 yrs.	55 and under 65 yrs.	65 and up- wards.	Total.
<i>Pulmonary</i>												
Males ...	3	9	8	4	11	35	58	121	95	61	17	422
Females ...	—	7	3	11	16	28	49	54	34	17	12	231
TOTAL ...	3	16	11	15	27	63	107	175	129	78	29	653
<i>Non- pulmonary</i>												
Males ...	19	41	12	11	6	1	3	3	2	—	—	98
Females ...	12	44	14	3	9	3	6	2	3	1	1	98
TOTAL ...	31	85	26	14	15	4	9	5	5	1	1	196

The total number of attendances at the Dispensary of all cases was 18,497, an increase of 1,481 over 1914.

NEW CASES.

Table E gives particulars of the new cases examined and the result of the examination. The number of "suspects" sent up for examination, namely, 684, an increase of 278 on the 1914 figures, is very satisfactory, and I take the opportunity of thanking the medical practitioners for their co-operation with the Dispensary in our efforts to diagnose and treat tuberculosis at its earliest possible stage.

During the year 45 patients were seen at their homes in consultation with the private practitioners and several old patients were also visited.

Table E.—NEW CASES EXAMINED—RESULT OF EXAMINATION.

SEX AND AGE PERIODS.	NOTIFIED CASES.			SUSPECTS.			CONTACTS.		
	No. Exam- ined.	Put on Treat- ment or Super- vision.	Found not Tuber- culous.	No. Exam- ined.	Put on Obser- vation.	Found not Tuber- culous.	No. Exam- ined.	Put on Obser- vation.	Found not Tuber- culous.
Adults (15 years and upwards)—									
Males ...	275	268	7	197	183	14	222	56	166
Females ...	135	129	6	149	136	13	484	111	373
Total Adults ...	410	397	13	346	319	27	706	167	539
School Children (5 years and under 15)—									
Males ...	55	50	5	155	150	5	281	89	192
Females ...	55	51	4	158	146	12	304	75	229
Total School Children ...	110	101	9	313	296	17	585	164	421
Infants (under 5 years)—									
Males ...	13	10	3	10	9	1	127	17	110
Females ...	7	6	1	15	14	1	130	7	123
Total Infants ...	20	16	4	25	23	2	257	24	233
Total Adults, School Children and Infants ...	540	514	26	684	638	46	1548	355	1193
TOTAL NEW CASES EXAMINED ...						2772			

The number of notified cases who attended the Dispensary for treatment and supervision was 1,881, which is an increase of 762 on the figures for 1914, whilst the number of attendances made by the patients in this class was 13,609.

The total number of attendances made by Observation Cases was 3,695.

Table F gives particulars of the cases observed. 638 of the 993 cases added during the year were "suspects," sent to the Dispensary for diagnosis, and 355 were found by the examination of "contacts" of notified cases.

Table F.—OBSERVATION CASES.

SEX AND AGE PERIODS.	On Obser- vation 1 Jan./15	Added during year.	Total number observed.	Number diagnosed during year as		On Obser- vation 31 Dec./15
				Tuber- culous.	Free from Tuber- culosis.	
Adults (15 years and upwards)—						
Males	44	239	283	127	51	105
Females	79	247	326	109	49	168
Total Adults	123	486	609	236	100	273
School Children—						
Males	150	239	389	76	56	257
Females	139	221	360	58	53	249
Total School Children	289	460	749	134	109	506
Infants—						
Males	11	26	37	5	8	24
Females	19	21	40	5	10	25
Total Infants	30	47	77	10	18	49
Total Adults, School Children and Infants	442	993	1435	380	227	828

RESIDENTIAL INSTITUTIONAL TREATMENT.

The accommodation for institutional treatment has been very limited during the year, Winter Street Hospital having been taken over by the War Office in October, 1914, after which time it was gradually cleared of patients and completely handed over in January, 1915. To meet the circumstances, the accommodation at the Crimicar Lane Sanatorium was increased from 30 to 92 by the erection of temporary wards and a dining room. The total accommodation for males was thus reduced by 22, whilst that for females was reduced by 12, the Commonsides Sanatorium, with 28 beds, being the only accommodation available for females.

Since January, 1915, the whole of the work in connection with the patients has been carried out by the staff of the Dispensary under the control of the Tuberculosis Medical Officer, and towards the close of the year Dr. Rutledge went into residence at the Crimicar Lane Sanatorium.

Table G gives particulars of the numbers treated in the sanatoria during the year.

Table G.—INSTITUTIONAL TREATMENT.

	Insured.		Uninsured.		Children.		Total.	
	M.	F.	M.	F.	M.	F.	M.	F.
Under treatment and observation 1st January, 1915	30	13	6	15	2	3	38	31
Admitted during the year	397	93	36	102	53	33	486	228
Total treated	427	106	42	117	55	36	524	259
Discharged during the year	308	89	28	101	53	33	389	223
Died during the year	40	3	2	5	—	1	42	9
Under treatment and observation 31st December, 1915	79	14	12	11	2	2	93	27

225 of the males and 148 of the females were admitted in the first instance as “observation” cases. Twenty-six of the cases admitted were discharged soldiers. The total number of patients who received sanatorium treatment during the year was 783.

Twenty places at the Open Air Recovery School were again reserved for definitely tuberculous children of the non-infectious type from the Dispensary, and one of the Tuberculosis Officers visited the school weekly.

POSITION OF SHEFFIELD AMONG THE LARGEST TOWNS.

Table A shows the birth-rates, death-rates and infant mortality rates in the 17 largest towns of Great Britain. The birth-rates vary from 28·4 in West Ham to 17·4 in Bradford. Five of the seventeen towns have higher rates than Sheffield. The death rates vary from 18·7 in Glasgow to 13·4 in Portsmouth. Eleven of the seventeen towns have lower rates than Sheffield, and two are equal with Sheffield.

The infant mortality rates vary from 87 in Portsmouth to 148 in Stoke-on-Trent. Thirteen of the towns had lower rates than Sheffield, and one is equal with Sheffield.

TABLE A.—BIRTH-RATES AND DEATH-RATES IN LARGEST TOWNS FOR THE YEAR 1915.

TOWN.	Estimated Population in the middle of 1914 (old Estimates)	Birth-rate.	Recorded Death-rate.	Infant Mortality.
Glasgow	1,078,400	25·9	18·7	143
Birmingham	868,430	24·4	14·7	117
Liverpool	767,992	28·2	18·6	132
Manchester	738,538	22·9	16·4	126
SHEFFIELD	477,228	25·6	17·2	133
Leeds	459,260	21·7	16·4	125
Bristol	363,312	20·2	15·2	116
Edinburgh	328,700	17·8	16·5	132
West Ham	296,570	28·4	15·9	111
Bradford	291,482	17·4	15·9	123
Hull	291,118	24·8	15·3	120
Newcastle	273,415	27·7	17·5	133
Nottingham	266,918	20·7	15·0	129
Portsmouth	245,827	20·2	13·4	87
Stoke-on-Trent	241,430	26·9	17·2	148
Salford	234,975	22·9	17·2	132
Leicester	232,664	20·7	14·5	125

I am, Gentlemen,
Your obedient servant,
HAROLD SCURFIELD, M.D.,
Medical Officer of Health.

DEATHS CHART, 1915.—Deaths from All Causes and from certain Infectious Diseases, also Soil Temperature during each Week of the Year.

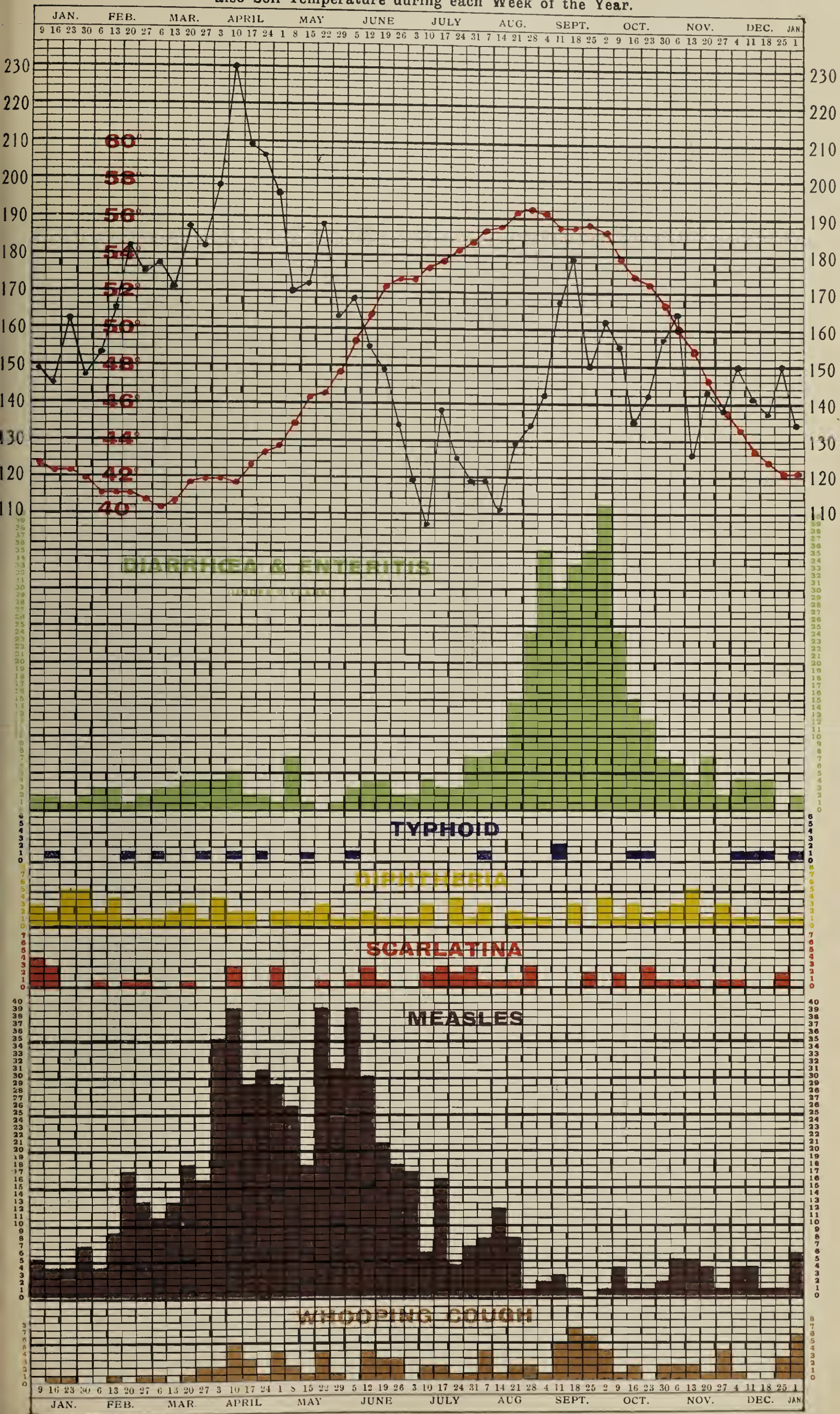


TABLE I.—*Marriages and Marriage Rates in Sheffield and in England and Wales since 1890.*

Year.	Total Number of Marriages in Sheffield.	Persons Married per 1,000 in Sheffield.	Persons Married per 1,000 in England and Wales.
1890	3,174	19.7	15.5
1891	3,128	19.2	15.6
1892	3,091	18.7	15.4
1893	2,797	16.6	14.7
1894	3,215	18.8	15.0
1895	2,810	16.2	15.0
1896	3,322	18.8	15.7
1897	3,465	19.3	16.0
1898	3,496	19.2	16.2
1899	3,663	19.8	16.5
1900	3,508	18.7	16.0
1901*	3,640	18.8	15.9
1902	3,682	17.8	15.9
1903	3,506	16.7	15.7
1904	3,507	16.5	15.3
1905	3,466	16.2	15.3
1906	3,943	18.2	15.7
1907	4,004	18.3	15.9
1908	3,419	15.5	15.1
1909	3,445	15.4	14.7
1910	3,639	16.1	15.0
1911	3,726	16.3	15.2
1912*	3,885	16.7	15.5
1913	4,077	17.3	15.5
1914*	4,062	17.0	15.9
1915	4,905	20.6	19.3
Average ...	3,519	17.8	15.6

* City extended October 31st, 1901, April 1st, 1912, and October 1st, 1914.

TABLE II.—*Birth-rates during the year for the whole City and for each of the Registration Sub-Districts; also the total number of Births, Legitimate and Illegitimate, in each.*

District.	Estimated Population in the middle of 1915.	BIRTHS.				Totals.	Birth-rate per 1000 per- sons living per annum.	
		Legitimate.		Illegitimate.			Crude.	Corrected for Public Institutions. *
		Male.	Female.	Male.	Female.			
Sheffield North ...	29,587	428	435	18	24	905	30·6	32·2
Do. South ...	27,496	459	426	21	23	929	33·8	25·2
Do. Park ...	26,487	385	305	16	7	713	26·9	27·5
Brightside West ...	47,902	533	529	58	43	1,163	24·3	23·8
Do. East ...	40,402	634	604	22	24	1,284	31·8	32·6
Attercliffe ...	64,752	1,042	912	28	24	2,006	31·0	31·7
Handsworth ...	1,362	17	25	...	1	43	31·6	31·6
Tinsley ...	7,394	89	74	1	3	167	22·6	22·7
Hillsbro' ...	20,673	211	198	10	2	421	20·4	20·8
Ecclesall North ...	36,742	517	469	21	17	1,024	27·9	28·6
Do. W.Cent. ...	50,627	459	475	17	13	964	19·0	19·4
Do. South ...	48,004	456	455	22	38	971	20·2	20·0
Broomhall ...	26,201	291	266	15	14	586	22·4	22·7
Sharrow ...	25,382	258	234	6	10	508	20·0	20·8
Norton ...	23,001	230	235	8	5	478	20·8	21·0
Totals ...	476,012	6,009	5,642	263	248	12,162	25·5	
Add—Transfers from Districts outside City ...	...	1	3	3	1	8		
		6,010	5,645	266	249	12,170		
Deduct—Transfers to Districts outside City ...	...	13	14	4	...	31		
Nett totals ...	...	5,997	5,631	262	249	12,139		25·5

*The corrected Birth-rate for the Sub-Districts is obtained by distribution of the Births which occurred in the Jessop Hospital and the two Union Hospitals among the Sub-Districts in which the mothers' homes were situated at the time of their admission to the hospitals.

TABLE III.—*Population and Births and Deaths in Sheffield in past years. Also Birth-rates and Death-rates in Sheffield and in England and Wales.*

YEAR.	POPULA- TION.	SHEFFIELD.				ENGLAND.	
		BIRTHS.		DEATHS.		Birth-rates.	Death-rates.
		Number.	Rate per 1,000 per- sons living per annum.	Number.	Rate per 1000 per- sons living per annum.		
1851	135,310	5,946	41·6	4,027	28·2	34·2	22·0
1861	186,375	7,561	40·5	4,610	24·7	34·6	21·6
1871	241,506	9,764	40·4	6,843	28·3	35·0	22·6
1872	245,023	9,973	40·6	6,445	26·3	35·6	21·3
1873	248,954	10,761	43·2	6,558	26·3	35·4	21·0
1874	253,645	10,861	42·8	7,009	27·6	36·0	22·2
1875	257,827	11,026	42·7	6,642	25·7	35·4	22·7
1876	262,080	11,205	42·7	6,568	25·1	36·3	20·9
1877	266,401	10,859	40·7	6,154	23·1	36·0	20·3
1878	270,791	10,985	40·3	7,208	26·6	35·6	21·6
1879	275,356	10,822	39·2	6,422	23·3	34·7	20·7
1880	279,800	10,723	38·3	6,410	22·9	34·2	20·5
1881	284,508	10,814	38·0	5,909	20·7	33·9	18·9
1882	289,194	10,837	35·4	6,281	21·1	33·8	19·6
1883	293,001	10,812	36·9	6,755	23·0	33·5	19·6
1884	296,856	11,272	37·9	6,832	23·0	33·6	19·7
1885	300,762	10,737	35·6	6,328	21·0	32·9	19·2
1886	304,720	10,573	34·6	6,130	20·1	32·8	19·5
1887	308,730	10,389	33·6	6,820	22·0	31·9	19·1
1888	312,793	9,863	31·5	6,611	21·1	31·2	18·1
1889	316,901	10,844	34·2	6,841	21·5	31·1	18·2
1890	321,079	10,691	33·2	8,316	25·9	30·2	19·5
1891	325,547	11,862	36·4	7,775	23·9	31·4	20·2
1892	330,816	11,846	35·8	6,840	20·7	30·4	19·0
1893	336,171	11,584	34·5	7,419	22·1	30·7	19·2
1894	341,612	11,267	33·0	6,028	17·6	29·6	16·6
1895	347,141	12,012	34·6	7,008	20·2	30·3	18·7
1896	352,760	11,853	33·6	6,732	19·1	29·6	17·1
1897	358,470	12,132	33·8	7,464	20·8	29·6	17·4
1898	364,272	12,066	33·1	7,213	19·8	29·3	17·5
1899	370,168	12,459	33·7	7,975	21·5	29·1	18·3
1900	376,160	12,572	33·4	8,292	22·0	28·7	18·2
*1901	410,151	12,766	33·0	7,891	20·4	28·5	16·9
1902	414,506	13,938	33·6	7,064	17·0	28·5	16·3
1903	418,906	14,136	33·6	7,976	19·0	28·5	15·5
1904	423,355	13,850	32·7	7,284	17·2	28·0	16·3
1905	427,850	13,082	30·6	7,510	17·6	27·3	15·3
1906	432,395	13,420	31·1	7,475	17·3	27·2	15·5
1907	436,986	14,125	32·3	7,772	17·8	26·5	15·1
1908	441,630	14,268	32·3	7,337	16·6	26·7	14·8
1909	446,321	13,296	29·8	7,098	15·9	25·8	14·6
1910	451,065	12,664	28·1	6,426	14·2	25·1	13·5
1911	455,817	12,623	27·7	7,335	16·1	24·4	14·6
*1912	466,408	12,887	27·7	6,661	14·3	23·8	13·3
1913	471,662	13,288	28·2	7,446	15·8	23·9	13·7
*1914	476,971	13,004	27·3	7,790	16·3	23·6	13·9
1915	†476,012	12,139	25·5	8,173	17·2	21·8	15·1

Population, 1736—14,105; 1801—45,755; 1811—53,231; 1821—65,275;
1831—91,692; 1841—111,091.

* City extended. † Civil population only.

TABLE IV.—*Mortality Rates in Quinquennial Periods in Sheffield and in England.*

Quinquennial Periods.		Mean Mortality rate per 1,000 of the population.	
		Sheffield.	England.
1871 to 1875	...	26·8	22·0
1876 to 1880	...	24·2	20·8
1881 to 1885	...	21·6	19·4
1886 to 1890	...	22·1	18·9
1891 to 1895	...	20·9	18·7
1896 to 1900	...	20·6	17·7
1901 to 1905	...	18·2	16·1
1906 to 1910	...	16·4	14·7
1911 to 1915	...	15·9	14·1

TABLE V.—Infant Mortality : Nett Deaths from stated causes at various Ages under 1 Year of age.

CAUSES OF DEATH.			Under 1 week.	1-2 weeks.	2-3 weeks.	3-4 weeks.	Total under 4 weeks.	4 weeks and under 3 months.	3 months and under 6 months.	6 months and under 9 months.	9 months and under 12 months.	Total Deaths under 1 year.
All Causes—Certified			337	97	56	45	535	233	272	289	275	1,604
Uncertified			5	...	...	...	5	3	2	...	5	15
Small-pox	...	...	...	...	...	...	...	...	...	...	...	...
Chicken-pox	...	...	...	...	...	...	...	...	...	...	...	...
Measles	...	...	...	...	1	...	1	...	3	39	73	116
Scarlet fever	...	...	...	...	...	...	...	...	...	2	1	3
Whooping-Cough	...	...	...	...	...	1	1	5	9	12	16	43
Diphtheria and Croup	...	...	...	...	...	...	...	...	...	2	4	6
Erysipelas	...	...	...	...	...	...	...	5	...	...	...	5
Tuberculous Meningitis	...	...	...	...	...	...	...	2	1	2	6	11
Abdominal Tuberculosis	...	...	...	...	...	1	1	3	4	5	1	14
Other Tuberculous Dis...	...	...	...	...	...	...	...	...	1	7	1	9
Meningitis (<i>not Tuberculous</i>)	...	...	...	...	...	...	...	1	6	4	4	15
Convulsions	...	...	13	8	3	4	28	13	12	10	14	77
Laryngitis	...	...	...	...	...	...	...	...	...	1	2	3
Bronchitis	...	...	1	3	6	2	12	20	37	38	21	128
Pneumonia (all forms)	...	...	3	2	...	1	6	20	30	61	57	174
Diarrhœa	...	}	...	4	7	6	17	64	110	66	60	317
Enteritis...	...		...	...	...	...	...	...	...	...	...	...
Gastritis	...	...	...	...	...	...	...	...	...	...	...	...
Syphilis	...	...	2	2	...	3	7	8	3	1	...	19
Rickets	...	...	...	...	...	...	...	...	...	4	5	9
Suffocation, overlying	...	...	5	...	...	1	6	15	10	2	1	34
Injury at birth	...	...	14	3	1	...	18	...	...	...	...	18
Atelectasis	...	...	19	4	3	1	27	1	...	...	...	28
Congenital Malformations	...	...	20	7	2	5	34	11	6	5	1	57
Premature birth	...	...	212	35	11	14	272	18	3	1	...	294
Atrophy, Debility and Marasmus	...	...	34	20	14	3	71	32	23	9	2	137
Other Causes	...	...	19	9	8	3	38	21	13	18	11	100
TOTALS	...	...	342	97	56	45	540	239	271	289	280	1619
Nett Births in the year—			legitimate, 11,628 ; illegitimate, 511.			Nett Deaths in the Year of—			{ legitimate infants, 1,526 ; illegitimate infants, 93.			

TABLE VI.—Registration Sub-Districts and *Sections. Estimated Population ; Density ; Death-rates—All Causes and

DISTRICT.	SHEFFIELD NORTH.			SHEFFIELD SOUTH.			PARK.		BRIGHTSIDE WEST.		BRIGHTSIDE EAST.		ATTER-CLIFFE.		
	A.	B.	C.	A.	B.	C.	A.	B.	A.	B.	A.	B.	A.	B.	
ESTIMATED POPULATION.	5,277	15,605	8,705	14,547	5,459	7,490	13,171	13,316	23,070	24,832	12,819	27,583	18,633	46,119	
PERSONS PER ACRE	53	171	128	88	75	63	98	6	71	14	54	20	69	41	
Small Pox	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Measles	2·08	2·18	0·92	1·86	3·11	0·27	4·02	1·20	1·08	0·40	3·35	0·91	2·04	2·50	
Scarlet Fever	0·19	0·06	0·34	0·07	0·37	—	0·08	0·15	—	0·04	0·39	0·07	0·16	0·15	
Diphtheria	0·19	—	0·11	0·14	—	0·67	0·15	0·23	0·17	0·20	0·08	0·11	0·21	0·26	
Whooping Cough ..	—	0·3	0·23	0·21	—	0·13	—	—	0·17	0·12	0·31	0·65	0·70	0·41	
Typhus Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Enteric Fever	0·38	—	—	—	—	—	—	—	0·04	—	0·08	0·07	0·05	0·07	
Puerperal Fever	—	—	0·11	0·07	—	0·13	0·15	—	—	0·04	—	0·18	0·16	0·07	
Diarrhoea and Enteritis ..	2·27	2·69	1·49	1·58	1·10	0·40	2·51	0·90	1·52	0·48	2·34	1·12	1·45	1·28	
Pneumonia	3·41	3·52	1·95	3·16	3·30	1·34	3·11	1·13	1·78	1·17	4·45	2·47	3·33	2·60	
Cancer	1·90	1·67	0·57	0·89	0·73	1·34	0·68	1·43	0·95	0·40	0·62	0·83	0·70	0·74	
Pulmonary Tuberculosis and Phthisis	2·46	3·65	1·72	2·54	2·75	1·87	1·29	1·13	1·13	0·68	1·33	1·20	0·86	1·00	
Other Forms of Tuberculosis	—	1·03	0·11	0·41	0·54	—	0·30	0·30	0·87	0·20	1·25	0·29	0·64	0·56	
Rheumatism, etc. ..	0·19	—	0·11	0·14	—	0·27	0·15	0·08	0·13	0·04	—	0·15	0·05	0·13	
DISEASES OF	Circulatory System..	3·22	3·84	2·30	2·68	3·48	1·34	2·05	2·25	2·51	2·05	1·95	2·43	2·36	1·43
	Nervous System and Organs of Special Sense	1·90	2·56	1·15	1·92	2·02	1·34	1·67	1·65	1·21	1·21	2·03	1·41	1·82	1·37
	Respiratory System except Pneumonia..	3·03	2·95	2·53	2·13	2·20	1·34	2·58	1·50	2·21	0·89	2·03	1·20	2·20	1·73
	Digestive System except Diarrhoea and Enteritis	0·57	0·64	0·69	0·76	0·37	0·80	1·21	0·45	0·74	0·64	0·62	0·65	0·48	0·56
	Genito-Urinary System except Venereal Diseases	0·76	1·28	0·69	1·58	0·73	0·40	0·61	0·45	0·52	0·36	0·70	0·62	0·81	0·59
	Early Infancy ..	0·95	1·28	1·72	1·24	1·83	0·40	1·37	0·83	1·47	0·48	1·09	1·16	1·45	1·37
Puerperal State (except Puerperal Fever)	—	—	—	0·07	0·18	—	—	0·08	0·17	0·04	0·08	—	0·05	0·15	
Suicide	—	0·13	—	—	—	0·13	0·08	—	0·26	—	—	0·07	—	0·02	
Other Affections produced by external causes	1·14	1·41	0·46	0·96	0·18	0·80	0·84	0·68	0·61	0·36	0·62	0·69	0·70	0·72	
Other Causes	0·76	1·99	1·03	1·65	0·73	1·20	1·06	1·35	1·26	1·01	1·33	1·31	1·56	1·54	
All Causes	25·39	31·21	18·27	24·06	23·63	14·15	23·92	15·77	18·81	10·83	24·65	17·58	21·79	19·23	
Infant Mortality...	197	185	157	201	177	104	171	110	124	97	177	147	163	143	
Birth-rates	25·96	36·01	29·29	27·08	30·04	17·89	33·79	20·50	30·17	17·88	39·24	29·51	32·31	31·48	
DISTRICT.	A.	B.	C.	A.	B.	C.	A.	B.	A.	B.	A.	B.	A.	B.	
	SHEFFIELD NORTH.			SHEFFIELD SOUTH.			PARK.		BRIGHTSIDE WEST.		BRIGHTSIDE EAST.		ATTER-CLIFFE.		

*For description of Sub-Districts and Sections see pp. xxvii. and xxviii. of 1914 Report.

certain Specified Causes and Birth-rates per 1,000 living; also Infantile Mortality Rates for the Year 1915.

HANDS- WORTH.	TINS- LEY.	HILLS- BRO'.	ECCLESALL NORTH.		E'SALL W.C'NTL.	E'SALL SOUTH.	BROOMHALL.		SHAR- ROW.	NOR- TON.	CITY.	DISTRICT.
			A.	B.			A.	B.				
1,362	7,394	20,673	11,447	25,295	50,627	48,004	15,529	10,672	25,382	23,001	476,012	ESTIMATED POPULATION.
18	11	14	51	59	7	13	140	42	92	12	19	PERSONS PER ACRE.
—	—	—	—	—	—	—	—	—	—	—	—	Small Pox.
—	0·68	0·73	3·06	1·98	0·95	0·40	1·80	—	0·43	0·22	1·345	Measles.
—	—	0·15	0·17	0·12	0·14	0·10	0·13	—	0·12	—	0·113	Scarlet Fever.
—	0·14	0·10	0·26	0·20	0·18	0·48	0·13	—	0·20	0·39	0·214	Diphtheria.
—	0·41	—	0·70	0·24	0·10	0·10	0·13	—	—	0·04	0·214	Whooping Cough.
—	—	—	—	—	—	—	—	—	—	—	—	Typhus Fever.
—	—	0·19	0·09	0·08	0·02	—	—	—	—	0·04	0·040	Enteric Fever.
—	—	0·05	0·09	0·08	0·06	0·08	0·06	0·09	0·04	—	0·065	Puerperal Fever.
0·73	0·54	0·34	1·66	0·59	0·57	0·44	1·61	0·09	0·87	0·17	1·021	Diarrhœa and Enteritis.
1·47	1·49	1·26	2·27	1·54	1·30	1·19	1·74	0·56	1·65	1·04	1·939	Pneumonia.
1·47	0·54	0·68	1·49	0·99	0·71	1·02	0·90	1·59	1·06	0·83	0·903	Cancer.
—	—	1·40	2·10	1·62	1·40	1·17	2·00	0·66	1·22	1·09	1·372	Pulmonary Tuberculosis and Phthisis.
—	0·27	0·53	0·44	0·59	0·32	0·25	0·32	0·19	0·24	0·04	0·412	Other Forms of Tuber- culosis.
—	0·14	0·05	0·09	0·28	0·08	0·17	—	0·19	0·24	0·04	0·116	Rheumatism, etc.
1·47	1·35	1·60	1·05	1·98	1·82	1·65	1·87	2·34	2·13	1·43	2·000	DISEASES OF { Circulatory System. Nervous System and Organs of Special Sense. Respiratory System except Pneumonia. Digestive System except Diarrhœa and Enteritis. Genito-Urinary Sys- tem except Vene- real Diseases. Early Infancy.
0·73	0·68	1·31	1·14	1·50	1·28	1·37	2·00	1·87	2·17	1·09	1·510	
0·73	0·68	1·16	3·23	1·58	1·19	1·10	2·64	1·50	1·50	1·57	1·670	
0·73	0·41	0·48	0·61	0·43	0·28	0·54	0·64	0·75	0·28	0·39	0·546	
—	0·41	0·48	0·35	0·43	0·81	0·50	0·52	0·94	0·95	0·43	0·647	
0·73	0·68	0·87	1·75	1·30	0·77	0·77	1·22	0·37	0·79	0·65	1·036	Puerperal State except Puerperal Fever.
—	—	0·05	—	0·08	0·04	0·06	0·13	—	—	—	0·057	Suicide.
—	—	—	0·09	—	0·04	—	—	—	0·08	—	0·038	Other Affections pro- duced by external causes.
—	0·41	0·53	0·52	0·32	0·43	0·29	1·09	0·37	0·28	0·61	0·578	Other Causes.
—	0·95	1·21	1·40	1·34	1·24	1·10	1·42	1·22	2·13	1·17	1·334	
8·08	9·74	13·16	22·54	17·28	13·73	12·79	20·35	12·74	16·35	11·26	17·170	All Causes.
23	89	120	213	123	94	93	169	32	99	70	133	Infant Mortality.
31·57	22·72	20·85	31·19	27·36	19·42	19·98	28·14	14·81	20·76	21·04	25·55	Birth-rates.
HANDS- WORTH.	TINS- LEY.	HILLS- BRO'.	A.	B.	E'SALL W.C'NTL.	E'SALL SOUTH.	A.	B.	SHAR- ROW.	NOR- TON.	CITY.	DISTRICT.
			ECCLESALL NORTH.				BROOMHALL.					

TABLE VII.—*Cases of Infectious Disease notified during each month of the year 1915.*

DISEASES.	Jan.	Feb.	Mar.	Apl.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	TOTALS.
Small-pox ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria	102	86	82	82	63	92	53	61	108	118	91	84	1,022
Erysipelas	57	29	28	26	18	25	24	23	34	35	55	38	392
Scarlet Fever	241	196	179	142	145	170	188	177	195	206	215	139	2,193
Typhus Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteric Fever	7	8	5	5	5	5	2	4	6	7	6	8	68
Puerperal Fever	5	8	7	4	4	6	4	8	2	6	2	8	64
Cerebro-Spinal Fever ... ..	...	...	...	...	1	...	...	1	...	...	1	...	3
Poliomyelitis ... ..	...	...	1	...	...	1	...	...	5	...	...	...	7
Ophthalmia Neonatorum	15	20	22	20	15	15	17	18	10	14	14	15	195
TOTALS	427	347	324	279	251	314	288	292	360	386	384	292	3,944

Military Cases are included in the above table. The numbers are as follows :—Diphtheria, 3 ;
Scarlet Fever, 19 ; Enteric Fever, 5 ; Erysipelas, 2.

TABLE VIII.—*Cases of Infectious Disease notified since 1905.*

DISEASES.	NUMBER OF CASES NOTIFIED										Annual Averages, 10 years, 1905-1914.	Cases notified, 1915.
	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914		
Small-pox	4	1	...	...	...	7	...	...	...	...	1	...
Diphtheria	407	675	431	438	373	397	504	545	831	850	545	1 022
Erysipelas... ..	350	395	414	295	447	333	448	455	478	496	411	392
Scarlet Fever	3,086	4,905	2,357	1,404	1,530	1,337	1,382	1,754	3,501	3,114	2,437	2,193
Typhus Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	...
Enteric Fever	320	390	209	237	177	126	251	165	74	113	206	68
Continued Fever	2	3	1	...	...	...	...	...	...	...	1	...
Puerperal Fever	38	52	42	43	51	32	43	55	48	49	45	64
Cerebro-Spinal Fever ... ..	...	...	2	...	2	*2	4	8	7	3	3	3
Poliomyelitis ... ..	...	...	...	...	...	...	...	*40 (10, mo.)	6	27	24	7
Ophthalmia Neonatorum ... ..	...	...	...	...	...	...	...	...	...	*221	221	195
Totals	4,207	6,421	3,456	2,417	2,580	2,234	2,632	3,022	4,945	4,873	3,894	3,944

Military cases included in the above Table.

* Made compulsorily notifiable in this year.

TABLE IX.—*Puerperal Fever. Cases of Sickness, Deaths, and Number of Births to each Death, 10 years, 1906 to 1915.*

	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915
Notified Cases	54	42	43	51	32	43	55	48	49	64
Deaths	25	23	19	20	12	14	20	18	25	31
No. of Births to every Death from Puerperal Fever... ..	537	614	751	665	1055	902	644	738	520	392
No. of Births to every Death during the Puerperal state ...	274	252	255	289	372	274	286	233	250	209

TABLE X.—*Tuberculous Diseases. Mortality during 10 years, 1905-1914, and 1915.*

DISEASE.	Mortality Rates per 1000 living.											Average 1905 to 1914	1915
	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914			
Tuberculous Phthisis and <i>Phthisis</i>	1·15	1·04	1·20	1·28	1·17	1·01	1·22	1·28	1·24	1·27	1·18	1·37	
Tuberculous Meningitis	0·22	0·20	0·26	0·23	0·20	0·16	0·16	0·19	0·14	0·17	0·19	0·21	
Tuberculosis of Peritoneum and Intestines	0·18	0·16	0·14	0·17	0·11	0·13	0·13	0·09	0·12	0·13	0·14	0·10	
Other forms of Tuberculosis ...	0·09	0·11	0·09	0·11	0·09	0·08	0·07	0·10	0·14	0·10	0·10	0·11	
Total Deaths	701	656	742	785	702	626	723	777	774	799	729	849	
Death-rate per 1000 persons living	1·64	1·52	1·70	1·78	1·57	1·39	1·59	1·67	1·64	1·68	1·62	1·78	

TABLE XI.—*Tuberculous Diseases. Mortality Rates in the two Sexes, 1905-1914, and 1915.*

Disease.	Sex.	Mortality Rates per 1000 living.											
		1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	Avge. 1905 to 1914	1915
Tuberculous Phthisis and <i>Phthisis</i>	Males ...	1·57	1·42	1·57	1·65	1·43	1·39	1·55	1·79	1·66	1·68	1·57	1·80
	Females	0·66	0·61	0·73	0·79	0·67	0·65	0·86	0·77	0·83	0·84	0·74	0·96
Tuberculous Meningitis	Males ...	0·23	0·22	0·25	0·28	0·20	0·19	0·18	0·23	0·17	0·19	0·21	0·23
	Females	0·19	0·17	0·25	0·15	0·17	0·14	0·15	0·16	0·10	0·15	0·16	0·19
Tuberculosis of Peritoneum and Intestines	Males ...	0·20	0·16	0·14	0·16	0·11	0·16	0·16	0·11	0·15	0·17	0·15	0·09
	Females	0·16	0·14	0·14	0·15	0·11	0·11	0·10	0·08	0·10	0·10	0·12	0·11
Other forms of Tuberculosis	Males ...	0·11	0·11	0·09	0·10	0·09	0·10	0·09	0·12	0·16	0·12	0·11	0·10
	Females	0·06	0·10	0·08	0·11	0·07	0·06	0·06	0·09	0·12	0·08	0·08	0·11

TABLE XII.—*Tuberculous Phthisis. Deaths in City and in Hospitals, together with percentage, also death-rates during years 1889-1915.*

YEARS.	DEATHS FROM TUBERCULOSIS OF LUNG AND PHTHISIS.						Death-rate from Tuberculosis (all forms) per 100,000 living.
	HOSPITALS.				Whole City.	Percentage occurring in Hospitals.	
	Union.	Municipal.	Voluntary.	Total.			
1889	62	1	10	73	552	13·2	257
1890	75	—	8	83	618	13·4	271
1891	81	2	9	92	551	16·7	254
1892	59	—	10	69	459	15·0	225
1893	74	—	12	86	552	15·6	244
1894	72	1	14	87	502	17·3	211
1895	76	—	15	91	473	19·2	227
1896	56	1	11	68	453	15·0	188
1897	90	—	16	106	522	20·3	201
1898	98	—	14	112	448	25·0	183
*1899	117	1	17	135	502	26·9	210
1900	135	1	14	150	539	27·8	202
1901	142	1	19	162	580	27·9	207
1902	121	—	10	131	491	26·7	181
†1903	142	2	22	166	573	29·0	211
1904	154	1	15	170	536	31·7	188
1905	135	—	14	149	490	30·4	164
1906	126	—	17	143	452	31·6	152
1907	146	—	16	162	524	30·9	170
1908	214	3	14	231	564	41·0	178
1909	174	3	13	190	524	36·3	156
1910	166	4	9	179	455	39·3	189
1911	193	3	12	208	557	37·3	159
1912	211	11	14	236	595	39·7	167
1913	155	71	11	237	585	40·5	164
1914	128	96	10	234	607	38·6	168
1915	178	51	10	239	653	36·6	178

* Voluntary Notification introduced November, 1899.

† Compulsory Notification introduced November, 1903.

The deaths recorded under Municipal Hospitals previous to 1908 occurred in the City Fever Hospitals, the patients having been admitted for some other infectious disorder. Hospitals for the treatment of Consumptives have been opened as follows:—Moorend in 1908, Crimicar in 1909, and Winter Street in 1912. Crimicar Hospital was formerly reserved for Small Pox and Winter Street Hospital for other infectious diseases. Deaths of Sheffield residents which occurred in asylums, are not included in this table, as it is probably correct to say that in most cases the disease develops after the removal to the asylum for the mental trouble.

TABLE XIII.—*Cases of Infectious Disease notified during the year 1915, shown under certain Age periods.*

NOTIFIABLE DISEASE.	NUMBER OF CASES NOTIFIED.							
	At all Ages.	At Ages—Years.						
		Under 1.	1 and under 5 years.	5 and under 15 years.	15 and under 25 years.	25 and under 45 years.	45 and under 65 years.	65 and upwards.
Small-pox ... ..	...	...	...	...	...	...	...	...
Cholera. Plague ... ..	...	...	...	...	...	...	...	...
Diphtheria (including Membranous croup)	1,022	20	256	580	97	59	8	2
Erysipelas	392	10	13	25	45	133	134	32
Scarlet fever	2,193	28	581	1,327	172	80	5	...
Typhus fever ... ..	...	...	...	...	...	...	...	...
Enteric fever	68	...	6	8	21	31	2	...
Relapsing fever. Continued fever ...	...	...	...	...	...	...	...	...
Puerperal fever	64	...	...	...	12	51	1	...
Cerebro-spinal Meningitis	3	...	...	2	1	...	...	...
Poliomyelitis	7	1	4	2	...	...	...	...
Ophthalmia Neonatorum	195	195	...	...	...	...	...	...
Pulmonary Tuberculosis	1,232	9	45	219	211	461	253	34
Other forms of Tuberculosis	372	42	115	106	55	39	11	4
Totals	5,548	305	1,020	2,269	614	854	414	72

Military cases included in the above table.

TABLE XIV.—Cases of Infectious Disease notified during 1915 shown in Registration Sub-districts and Sections.

NOTIFIABLE DISEASE.	REGISTRATION SUB-DISTRICT OR SECTION.																								TOTAL CASES NOTIFIED.	TOTAL CASES REMOVED TO HOSPITAL.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	NORTH.						SOUTH.						PARK.				BRIGHTSIDE WEST.				BRIGHTSIDE EAST.						ATTERCLIFFE.		HANDSWORTH.	TINSLEY.	HILLSBRO.	ECCLESALT NORTH.		ECCLESALT WEST CENTRAL.	ECCLESALT SOUTH.	BROOMHALL.	SHARROW.	NORTON.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				

Military cases included :—Diphtheria, 3 ; Scarlet Fever, 19 ; Enteric Fever, 5 ; Erysipelas, 2.

TABLE XV.—*Vital Statistics of Whole District during 1915 and previous Years.*

YEAR.	Population estimated to Middle of each Year.	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.		TRANSFERABLE DEATHS.		NETT DEATHS BELONGING TO THE DISTRICT.				
		Un- corrected Number.	Nett.	Number.	Rate.	of Non- residents registered in the District.	of Resi- dents not registered in the District.	Under 1 Year of Age.		At all Ages.		
								Number.	Rate per 1,000 Nett. Births.			
											Number.	Rate.
1	2	3	4	5	6	7	8	9	10	11	12	13
1910 ...	451,065	12,664	12,664	28.1	6,420	14.2	134	140	1,604	127	6,426	14.2
1911 ...	455,817	12,650	12,623	27.7	7,344	16.1	164	155	1,775	141	7,335	16.1
1912 ...	466,408	12,902	12,887	27.7	6,666	14.3	159	154	1,373	107	6,661	14.3
1913 ...	471,662	13,307	13,288	28.2	7,411	15.7	177	212	1,702	128	7,446	15.8
1914 ...	476,971	13,023	13,004	27.3	7,751	16.3	212	251	1,714	132	7,790	16.3
1915 ...	476,012	12,162	12,139	25.5	8,129	17.1	280	324			8,173	17.2

NOTE.—This Table is arranged to show the gross births and deaths in the district, and the births and deaths properly belonging to it with the corresponding rates. The rates have been calculated per 1,000 of the estimated gross population.

Area of District in Acres (land and inland water)—24,886.	} At Census, 1911.
Total population at all ages—459,916.	
Number of Inhabited Houses—98,815.	
Average number of persons per house—4.7.	

TABLE XVI.—Causes of Death at Different Periods of life in each Sex, during the year 1915.

CAUSE OF DEATH.	TOTALS—ALL AGES.			Under 1 year.		1 & under 2 years.		2 & under 3 years.		3 & under 4 years.		4 & under 5 years.		TOTALS—UNDER FIVE YEARS.			5 & under 10 years.		10 & under 15 years.		15 & under 20 years.		20 & under 25 years.		25 & under 35 years.		35 & under 45 years.		45 & under 55 years.		55 & under 65 years.		65 & under 75 years.		75 & under 85 years.		85 years & upwards.		TOTALS—ABOVE FIVE YEARS.									
	Totls.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Totls.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Totls.	M.	F.	Totls.						
I. GENERAL DISEASES.																																																
1. Enteric fever ...	19	11	8	1	1	
2. Typhus fever	
3. Relapsing fever—																																																
A. Relapsing fever	
B. Mediterranean fever	
4. Malaria	
5. Small-pox—																																																
A. Vaccinated	
B. Not vaccinated...	
C. Doubtful	
6. Measles ...	640	344	296
7. Scarlet fever ...	54	21	33
8. Whooping cough ...	102	41	61
9. Diphtheria—																																																
A. Diphtheria ...	102	57	45
B. Membranous laryngitis	
C. Croup
10. Influenza ...	73	39	34
11. Miliary fever
12. Asiatic cholera
13. Cholera nostras
14. Dysentery ...	16	5	11
15. Plague
16. Yellow fever	

TABLE XVI.—Continued.

[illegible]

TABLE XVI.—Continued.

[illegible]

TABLE XVI.—Continued.

CAUSE OF DEATH.	TOTALS—ALL AGES.			Under 1 year.		1 & under 2 years.		2 & under 3 years.		3 & under 4 years.		4 & under 5 years.		TOTALS—UNDER FIVE YEARS.			5 & under 10 years.		10 & under 15 years.		15 & under 20 years.		20 & under 25 years.		25 & under 35 years.		35 & under 45 years.		45 & under 55 years.		55 & under 65 years.		65 & under 75 years.		75 & under 85 years.		85 years & upwards.		TOTALS—ABOVE FIVE YEARS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	Totls.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Totls.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Totls.	M.	F.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
GENERAL DISEASES.—Contd.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
47. Rheumatic fever ...	32	16	16

TABLE XVI.—Continued.

CAUSE OF DEATH.	TOTALS—ALL AGES.			Under 1 year.		1 & under 2 years.		2 & under 3 years.		3 & under 4 years.		4 & under 5 years.		TOTALS—UNDER FIVE YEARS.			5 & under 10 years.		10 & under 15 years.		15 & under 20 years.		20 & under 25 years.		25 & under 35 years.		35 & under 45 years.		45 & under 55 years.		55 & under 65 years.		65 & under 75 years.		75 & under 85 years.		85 years & upwards.		TOTALS—ABOVE FIVE YEARS.							
	Totls.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Totls.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Totls.	M.	F.	Totls.						
II. DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE.																																														
60. Encephalitis	6	5	1	1	1	3		
61. A. Cerebro-spinal fever ...	2	...	2		
B. Posterior basal meningitis	4	4	...	2	2	4	...	4		
C. Meningitis, other forms	54	32	22	7	6	10	3	4	3	1	2	3	...	23	16	39	5	3	1	1		
62. Locomotor ataxy	6	5	1		
63. Other diseases of the spinal cord—																																														
A. Diseases formerly classed to "Other nervous affections"	7	5	2		
B. Other diseases included under 63	19	10	9	1	2	...	2		
64 Cerebral hæmorrhage, Apoplexy—																																														
A. Apoplexy	58	25	33	1	1	...	1		
B. Serous apoplexy and oedema of brain	
C. Cerebral congestion	2	2	1	1	...	1		
D. Cerebral atheroma	
E. Cerebral hæmorrhage ...	254	109	145
65. Softening of brain	28	12	16
66. Paralysis without specified cause—																																														
A. Hemiplegia	20	15	5
B. Paraplegia	4	2	2
C. Other forms of paralysis	5	4	1
67. General paralysis of the insane	38	26	12

TABLE XVI.—Continued.

CAUSE OF DEATH.	TOTALS—ALL AGES.			Under 1 year.		1 & under 2 years.		2 & under 3 years.		3 & under 4 years.		4 & under 5 years.		TOTALS—UNDER FIVE YEARS.			5 & under 10 years.		10 & under 15 years.			15 & under 20 years.			20 & under 25 years.			25 & under 35 years.			35 & under 45 years.			45 & under 55 years.			55 & under 65 years.			65 & under 75 years.			75 & under 85 years.			85 years & upwards.			TOTALS—ABOVE FIVE YEARS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	Totls.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Totls.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Totls.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
DISEASES OF THE NERVOUS SYSTEM, &c.—Continued.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	

TABLE XVI.—Continued.

CAUSE OF DEATH.	TOTALS—ALL AGES.			Under 1 year.		1 & under 2 years.		2 & under 3 years.		3 & under 4 years.		4 & under 5 years.		TOTALS—UNDER FIVE YEARS.			5 & under 10 years.		10 & under 15 years.		15 & under 20 years.		20 & under 25 years.		25 & under 35 years.		35 & under 45 years.		45 & under 55 years.		55 & under 65 years.		65 & under 75 years.		75 & under 85 years.		85 years & upwards.		TOTALS—ABOVE FIVE YEARS.								
	Totls.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Totls.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Totls.	M.	F.	Totls.							
III. DISEASES OF THE CIRCULATORY SYSTEM.																																															
77. Pericarditis ...	5	2	3	
78. Acute endocarditis—																																															
A. Acute myocarditis ...	9	5	4	
B. Infective endocarditis ...	6	3	3	
C. Other acute endocarditis ...	21	9	12
79. A. Valvular disease ...	316	154	162
B. Fatty degeneration of heart ...	41	18	23
C. Other organic disease of heart ...	320	151	169
80. Angina pectoris ...	7	5	2
81. A. Aneurysm ...	9	9
B. Arterial sclerosis ...	176	122	54
C. Other diseases of arteries ...	1	1
82. A. Cerebral embolism and thrombosis ...	31	12	19
B. Other embolism and thrombosis ...	5	3	2
83. Diseases of the veins (varices, hæmorrhoids, phlebitis, etc.)—																																															
A. Phlebitis ...	2	1	1
B. Varix
C. Pylephlebitis
D. Varicocele
84. A. Status lymphaticus ...	2	2
B. Other diseases of the lymphatic system

TABLE XVI.—*Continued.*

[illegible]

TABLE XVI.—*Continued.*

[illegible]

TABLE XVI.—*Continued,*

[illegible]

TABLE XVI.—Continued.

CAUSE OF DEATH.	TOTALS—ALL AGES.			Under 1 year.		1 & under 2 years.		2 & under 3 years.		3 & under 4 years.		4 & under 5 years.		TOTALS—UNDER FIVE YEARS.			5 & under 10 years.		10 & under 15 years.		15 & under 20 years.		20 & under 25 years.		25 & under 35 years.		35 & under 45 years.		45 & under 55 years.		55 & under 65 years.		65 & under 75 years.		75 & under 85 years.		85 years & upwards.		TOTALS—ABOVE FIVE YEARS.										
	Totals.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Totals.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Totals.	M.	F.	Totals.									
VI. NON-VENEREAL DISEASES OF THE GENITO-URINARY SYSTEM AND ANNEXA.																																																	
119. Acute nephritis	46	30	16	2	1	2	2	1	3	1	...	8	4	12	6	1	1	...	2	1	3	4	3	4	1	2	2	2	22	12	34									
120. Bright's disease— A. Bright's disease as in 1901 list	175	96	79	1	1	...	1	2	1	3	1	...	1	...	1	...	2	1	6	7	13	10	24	17	24	16	16	6	3	94	78	172								
B. Nephritis (unqualified) 10 years and over, and Uræmia	20	10	10			
121. Chyluria			
122. Other diseases of the kidney and annexa— A. Abscess of kidney	1	...	1		
B. Cystic disease	1	...	1			
C. Suppression of urine	2	1	1	1	1	...	1		
D. Other diseases included under 122	7	2	5	1	1		
123. Calculi of the urinary passages	2	1	1		
124. Diseases of the bladder	14	10	4		
125. Diseases of the urethra, Urinary abscess, etc.— A. Perineal abscess	
B. Other diseases of urethra, etc.	5	5	
126. Diseases of the prostate	18	18	
127. Non-veneral diseases of male genital organs	2	2	...	2	2	...	2	
128. Uterine hæmorrhage (non- puerperal)— A. Menorrhagia
B. Other uterine hæmorrhage	
129. Uterine tumour (non- cancerous)	5	...	5	

TABLE XVI.—Continued.

CAUSE OF DEATH.	TOTALS—ALL AGES.			Under 1 year.		1 & under 2 years.		2 & under 3 years.		3 & under 4 years.		4 & under 5 years.		TOTALS—UNDER FIVE YEARS.			5 & under 10 years.		10 & under 15 years.		15 & under 20 years.		20 & under 25 years.		25 & under 35 years.		35 & under 45 years.		45 & under 55 years.		55 & under 65 years.		65 & under 75 years.		75 & under 85 years.		85 years & upwards.		TOTALS—ABOVE FIVE YEARS.											
	Totals.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Totals.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Totals.	M.	F.	Totals.										
NON-VENEREAL DISEASES OF THE GENITO-URINARY SYSTEM & ANNEXA.— <i>Con.</i>																																																		
130. Other diseases of the uterus—																																																		
A. Disorders of menstruation (except menorrhagia)...			
B. Other diseases included under 130 ...	2	...	2			
131. Ovarian cyst, tumour (non-cancerous) ...	1	...	1			
132. Other diseases of the female genital organs—																																																		
A. Diseases of ovary (excluding ovarian tumour)	2	...	2			
B. Other diseases of female genital organs ...	4	...	4			
133. Non-puerperal diseases of the breast (non-cancerous)	1	...	1			
<i>Totals</i> —Non-veneral Diseases of the Genito-Urinary System and Annexa ...	308	176	132	6	1	2	3	1	1	1	1	4	1	14	6	20	7	2	2	...	3	1	3	7	15	21	22	31	20	41	32	34	26	13	5	162	126	288				
VII. THE PUERPERAL STATE.																																																		
134. Accidents of pregnancy—																																																		
A. Abortion	
B. Haemorrhage of pregnancy	
C. Uncontrollable vomiting	
D. Ectopic gestation ...	2	...	2	
E. Other accidents of pregnancy

TABLE XVI.—Continued.

CAUSE OF DEATH.	TOTALS—ALL AGES.			Under 1 year.		1 & under 2 years.		2 & under 3 years.		3 & under 4 years.		4 & under 5 years.		TOTALS—UNDER FIVE YEARS.			5 & under 10 years.		10 & under 15 years.		15 & under 20 years.		20 & under 25 years.		25 & under 35 years.		35 & under 45 years.		45 & under 55 years.		55 & under 65 years.		65 & under 75 years.		75 & under 85 years.		85 years & upwards.		TOTALS—ABOVE FIVE YEARS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
	Totls.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Totls.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Totls.	M.	F.	Totls.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												

TABLE XVI.—Continued.

CAUSE OF DEATH.	TOTALS—ALL AGES.			Under 1 year.		1 & under 2 years.		2 & under 3 years.		3 & under 4 years.		4 & under 5 years.		TOTALS—UNDER FIVE YEARS.			5 & under 10 years.		10 & under 15 years.		15 & under 20 years.		20 & under 25 years.		25 & under 35 years.		35 & under 45 years.		45 & under 55 years.		55 & under 65 years.		65 & under 75 years.		75 & under 85 years.		85 years & upwards.		TOTALS—ABOVE FIVE YEARS.						
	Totals.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Totals.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Totals.	M.	F.	Totals.					
XII. OLD AGE.																																													
154. Old Age—																																													
A. Senile dementia	21	13	8	
B. Senile decay	232	76	156	
Totals—Old age	253	89	164	
XIII. AFFECTIONS PRODUCED BY EXTERNAL CAUSES.																																													
155. Suicide by poison...	4	2	2
156. Suicide by asphyxia
157. Suicide by hanging or strangulation	4	3	1
158. Suicide by drowning	4	3	1
159. Suicide by firearms
160. Suicide by cutting or piercing instruments	4	4
161. Suicide by jumping from high place	1	1
162. Suicide by crushing	1	1
163. Other suicides
164. Poisoning by food
165. Other acute poisonings	1	1
166. Conflagration
167. Burns (conflagration excepted)	47	23	24	1	...	3	2	4	1	3	2	4	...	15	5	20	2	14	...	1

TABLE XVI.—Continued.

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TABLE XVI.—Continued,

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TABLE XVII.—*Meteorology at Sheffield during 1915.*

Week Ending.	Mean Barometer Corrected.	MEAN DAILY SUNSHINE.				MEAN DAILY TEMPERATURE.								Rainfall at Weston Park (in inches.)
		Weston Park.	Attercliffe.	High Hazels.	Lodge Moor.	Dry Bulb.	Wet Bulb.	Humidity.	Grass Minimum.	Soil 1 Foot.	Soil 4 Feet.	Air Maximum (Shade).	Air Minimum (Shade).	
1915		H. M.	H. M.	H. M.	H. M.									
Jan. 2 ...	29·316	1 41	0 45	1 16	1 17	38·2	36·8	88%	29·4	37·5	43·5	42·7	33·3	1·465
9 ...	29·326	1 1	0 25	0 49	0 48	39·1	37·6	88%	32·1	37·8	42·6	42·6	35·6	1·255
16 ...	29·649	1 17	0 34	0 52	0 55	42·7	40·4	81%	34·2	39·1	42·1	47·6	39·3	1·670
23 ...	29·827	1 38	0 47	1 0	1 31	39·3	36·9	80%	30·7	38·4	42·1	42·9	35·2	0·115
30 ...	29·764	0 22	0 9	0 24	0 36	35·9	33·9	82%	30·0	37·5	41·9	39·3	34·2	0·130
Feb. 6 ...	29·672	0 35	0 8	0 32	0 27	42·3	40·8	89%	34·3	38·8	41·3	48·1	38·1	1·174
13 ...	29·462	1 10	1 7	1 28	1 18	35·8	34·7	90%	29·1	38·6	41·4	41·7	32·3	1·170
20 ...	29·327	2 38	1 26	2 5	2 36	39·8	38·2	86%	31·1	37·5	41·2	44·7	35·3	0·854
27 ...	29·821	4 26	3 7	3 48	5 23	36·0	33·9	80%	25·6	36·6	40·9	41·4	31·4	0·592
Mar. 6 ...	29·799	3 5	2 16	2 14	2 57	44·3	41·8	81%	36·5	38·3	40·4	47·7	38·1	0·663
13 ...	30·211	2 6	1 19	1 44	1 38	41·8	39·3	81%	34·4	40·6	40·9	46·6	37·4	0·117
20 ...	29·805	4 25	1 51	3 11	4 35	42·5	39·3	75%	30·6	41·5	41·7	47·8	35·9	0·318
27 ...	30·020	4 20	3 31	4 32	4 32	40·2	37·9	81%	29·8	41·2	41·9	49·8	35·0	0·437
April 3 ...	30·014	2 56	1 45	3 16	3 8	40·1	36·7	74%	26·2	38·5	41·9	45·8	32·9	0·519
10 ...	29·622	6 21	5 31	6 31	5 53	44·1	40·0	72%	33·1	41·8	41·7	50·2	37·5	0·417
17 ...	30·209	4 2	3 0	4 0	4 12	47·7	43·7	73%	36·0	44·0	42·4	52·5	39·7	0·063
24 ...	30·120	3 24	2 27	3 42	3 52	45·8	42·0	74%	34·3	44·3	43·2	51·4	38·3	0·205
May 1 ...	30·229	6 49	5 23	6 35	7 21	50·9	46·4	74%	37·5	45·6	43·8	59·1	41·8	0·535
8 ...	30·090	4 51	2 58	4 45	5 44	50·0	47·0	80%	38·6	48·8	44·9	59·5	42·4	0·032
15 ...	30·150	5 12	4 5	5 15	5 30	46·3	41·8	71%	35·4	48·6	46·2	53·6	38·2	0·796
22 ...	30·030	4 42	4 17	5 5	5 2	51·3	46·8	73%	40·8	49·1	46·5	59·5	44·5	0·138
29 ...	30·210	9 8	8 56	9 26	10 18	54·9	49·9	71%	42·5	54·0	47·8	63·9	44·7	0·030
June 5 ...	30·110	8 32	5 50	7 12	9 3	55·5	49·8	67%	39·1	53·4	49·1	63·8	44·5	0·024
12 ...	30·080	8 29	6 55	9 31	9 19	62·9	56·9	68%	47·3	58·9	50·5	72·9	52·9	...
19 ...	30·290	8 33	6 41	9 58	9 33	55·2	49·8	68%	40·5	57·0	52·1	64·1	45·8	...
26 ...	30·030	4 42	2 30	4 58	4 22	56·2	50·9	70%	43·8	56·2	52·5	62·2	47·7	0·608
July 3 ...	29·950	4 4	1 34	3 29	4 52	60·1	56·8	81%	49·4	56·5	52·7	66·9	53·5	1·299
10 ...	29·940	4 23	1 46	3 2	5 0	58·2	55·0	81%	49·0	57·7	53·2	64·4	52·6	1·198
17 ...	29·690	4 45	2 2	3 44	5 15	56·9	52·1	72%	47·1	57·1	53·7	61·6	50·7	1·897
24 ...	29·820	5 33	2 39	4 48	5 4	58·6	55·1	79%	50·7	57·9	54·1	64·9	53·2	0·666
31 ...	29·920	8 16	3 48	7 18	8 21	61·2	54·9	66%	45·8	58·9	54·7	65·7	50·3	0·126
Aug. 7 ...	29·830	3 50	1 32	3 29	3 56	60·0	56·8	82%	49·1	59·3	55·2	67·1	53·3	1·090
14 ...	29·990	5 57	3 37	5 21	5 58	62·2	58·7	81%	50·6	59·9	55·6	68·9	55·0	0·323
21 ...	30·060	3 20	2 19	3 2	3 36	58·9	54·9	76%	48·6	59·2	56·2	65·2	52·5	0·391
28 ...	30·210	8 28	4 55	5 46	9 17	63·2	57·3	68%	47·1	59·3	56·3	68·5	52·6	0·347
Sept. 4 ...	29·920	3 52	2 30	3 27	3 45	52·1	48·1	75%	43·0	56·5	56·1	58·9	45·7	0·170
11 ...	30·340	7 30	6 22	7 24	7 53	59·3	54·9	76%	44·2	56·6	55·6	68·5	49·9	...
18 ...	30·140	4 15	2 55	3 58	4 14	61·0	57·7	80%	51·7	58·4	55·5	67·1	55·1	0·028
25 ...	30·060	4 27	4 8	5 9	4 57	57·1	53·8	80%	45·4	56·8	55·7	65·1	49·6	0·508
Oct. 2 ...	29·720	3 38	2 55	3 13	4 3	48·6	44·4	72%	36·5	52·9	55·3	53·1	40·6	0·123
9 ...	30·210	0 38	0 33	1 15	0 58	49·7	47·9	88%	42·5	50·9	53·8	54·8	45·9	0·082
16 ...	30·020	1 15	1 1	1 38	1 38	53·1	51·1	88%	44·0	51·8	52·9	58·8	48·2	0·115
23 ...	33·900	0 26	0 17	0 32	0 38	45·9	45·3	94%	39·5	49·7	52·5	52·0	43·7	0·312
30 ...	29·990	1 49	0 11	1 45	2 45	43·3	41·4	86%	35·8	47·0	51·4	49·3	39·3	0·770
Nov. 6 ...	29·900	2 27	1 24	2 12	2 22	41·1	38·6	81%	32·9	43·8	50·0	45·5	36·9	0·347
13 ...	29·420	2 29	1 16	2 19	2 19	43·7	44·3	83%	36·5	43·4	48·7	47·1	38·5	2·739
20 ...	30·260	2 44	1 6	2 1	2 59	36·9	34·0	77%	26·9	39·3	47·3	40·5	32·8	0·202
27 ...	30·460	1 20	0 31	1 7	2 11	36·8	34·9	83%	28·7	38·9	45·6	40·8	32·9	0·012
Dec. 4 ...	29·500	0 40	0 16	0 30	1 16	35·8	34·9	90%	28·7	37·2	44·3	41·2	33·5	1·932
11 ...	29·360	1 19	0 26	1 3	0 56	41·6	40·4	90%	33·5	38·9	43·5	45·4	36·6	2·239
18 ...	29·900	1 10	0 32	1 4	1 59	36·0	35·0	89%	29·2	37·4	42·9	41·6	33·9	0·544
25 ...	29·660	0 28	0 8	0 19	0 23	41·1	39·9	90%	33·6	38·6	42·2	45·6	38·3	0·738

Total rainfall during year 34·538 inches.

Sanitary Administration.

HOUSING OF THE WORKING CLASSES ACTS, 1890—1909.

689 dwelling-houses were inspected for the purposes of Section 17 of the Housing and Town Planning Act, 1909.

Of these 689 houses, 106 were renovated, 13 were demolished, and in the case of 118 the work was in progress at the time of writing. Owing to the necessity for all work which is not imperatively necessary being postponed until after the War, the renovation of 451 of these houses with the exception of urgent matters has been left in abeyance.

CONVERSION OF PRIVIES INTO WATER-CLOSETS.

During the first few months of the year this work proceeded as usual, but in accordance with the wish of the Government the work was suspended about the middle of the year. Towards the end of the year arrangements were made for urgent privy conversion work to be put in hand and for the usual contribution to be paid out of current rates.

During the year, 1,538 privies were converted and 78 additional water-closets were provided, the corresponding figures for 1914 being 1,822 and 127 respectively. Full particulars with regard to the work will be found in table XIX.

The work done under the supervision of this sub-department represents an expenditure during the year 1915 of about £27,963, of which the Corporation's share amounted to £8,086.

CANAL BOATS ACTS.

The number of inspections of canal boats made during the year was 428. On the whole, the boats were in fairly good condition.

The total number of infringements complained of was 34 (relating to 23 inspections of boats).

The nature of the infringements was as follows :—

Absence of certificate, and certificate not identifying owner ...	...	19
Want of marking, lettering or numbering ...	...	10
Want of painting ...	...	2
Want of repairs ...	...	3
		<hr/>
		34
		<hr/>

FACTORY AND WORKSHOP ACT, 1901.

Forty-one workshops and 15 home-workers were removed from the register during the year, and 1 bakehouse added, making a net decrease of 55 workshops.

The following are particulars of the 41 workshops removed :—5 workshops became factories owing to the introduction of electric power, namely, 2 wood-working establishments, 1 bakehouse, 1 tailoring establishment and 1 edge tool making establishment. 36 workshops were closed during the year, namely, 5 tailoring establishments, 6 dress-making establishments, 5 bakehouses (one of which was situated in the Scotland Street area and was pulled down), 14 file-cutting establishments, and 6 electro-plate working establishments.

The following are particulars of the 15 home-workers removed :—5 file-cutters, 2 pinafore makers, 8 silver burnishers.

With the exception of the baking trade scarcely any workshop has its ordinary complement of workers. The tailoring trade especially appears to have been the hardest hit by the war conditions. Two firms tried to adapt themselves to the factory system for producing soldiers' clothing, but soon closed down. Some of the better class tailors have been largely employed on officers' uniforms, but this source of trade appears now to have nearly ceased.

Large numbers of workers in the silver and kindred trades are now employed on some kind of war work.

Some difficulty has been met with during the year in securing the periodic limewashing of both bakehouses and ordinary workshops, and many occupiers have had to do this work themselves on account of the shortage of labour.

The following increased sanitary accommodation has been provided during the year :—Water-closets, 52, urinals, 8, and lavatories, 18. 26 of the water-closets and 11 of the lavatories were provided for female workers, chiefly clerks.

In addition to the work done in answer to notices shown in the table, the following matters were dealt with in response to verbal intimations.

Reconstructions of defective drains	...	...	...	...	...	9
Pedestal closets substituted for trough closets	...	...	...	...	...	8
Substitution of water-closets for privies	...	...	...	...	...	2
Water-closets specially ventilated	...	...	...	...	...	4
Cellar drains provided	...	...	...	...	...	2

The total number of visits made during the year were as follows :—

Visits to factories	...	...	...	...	...	...	495
Do. workshops	...	...	...	...	...	...	1,321
Do. workplaces	...	...	...	...	...	...	60
Do. homeworkers	...	...	...	...	...	...	87
Total visits	...	...	...	...	...	...	<u>1,963</u>

117 visits were paid to premises, chiefly factories, where notified consumptives were employed. Advice as to cleansing and disinfections was given, and in 3 cases, the unsatisfactory working conditions were reported to His Majesty's Inspector of Factories.

REGISTERED WORKSHOPS, 1915.

The following list gives the number of workshops on the registers at the close of the year :—

Bakehouses and Confectioners	...	...	...	...	...	276
Tailoring and Dressmaking	...	...	...	...	...	940
Metal-workers	...	...	...	...	...	849
Wood-workers	...	...	...	...	...	353
Hand Laundries	...	...	...	...	...	12
Restaurant Kitchens	...	...	...	...	...	63
Miscellaneous	...	...	...	...	...	388
						<u>2,881</u>

OFFENSIVE TRADES.

525 visits were paid to the 30 places where offensive trades are carried on.

During the year one gut-dressing place was closed and one fat-melting plant was established.

BLACK SMOKE NUISANCES.

Proceedings were taken in 5 cases as follows :—2 steel manufacturers and 3 haulage contractors. The results of the proceedings were as follows :—In one case a fine of £1 1s. 0d. and costs, in two cases fines of 15s. and 10s. respectively including costs were imposed ; in one case an order was made and the remaining case was dismissed.

5,079 observations lasting for one hour each were made of chimneys during the year. Black smoke was emitted on the average for 3.2 minutes per hour, which has to be compared with the following figures for the last 11 years :—

1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914
3.1	3.0	2.9	3.2	2.9	2.4	2.4	2.2	2.5	2.6	2.6

GENERAL SANITARY WORK.

The work with regard to nuisances, defective drains, infectious diseases, milk shops, etc., has proceeded as usual.

The suspension of the privy conversion work in the middle of the year has had the effect of lessening the amount of drainage reconstruction work. Some extra work has been thrown on the staff in connection with the inspection of billets, the provision of sanitary accommodation for temporary quarters for soldiers and the abatement of various nuisances arising in connection with these matters.

DISINFECTING STATION.

The Disinfecting Station has been working at full pressure during the year and considerable demands have been made upon it by the Military Authorities.

SALE OF FOOD AND DRUGS ACTS.

The number of samples of milk purchased during 1915 was 425, of which 30 were deficient in fat, 32 contained added water, 1 contained a boron preservative, and 7 were just below the standard.

In 61 cases proceedings were ordered, in 5 cases proceedings were withdrawn, after investigation of the circumstances, and in 14 other cases proceedings were withdrawn on payment of costs.

The following list shows the penalties imposed and the amount of adulteration in each case :—

Sample No.	Amount of adulteration.			Amount of penalty.
328	19	per cent.	of added water.	£1
329	9.5	"	" "	£2 and 18/6 costs.
330	10	"	" "	£2 and 18/6 costs.
341	9.1	"	" "	£2 and 18/6 costs.
342	17.3	"	" "	£2 and £1/13/9 costs.
344	10.4	"	" "	£2 and £1/10/9 costs.
*356	9.5	"	" "	£5
371	12	"	deficient in milk fat.	£2
4	17.7	"	of added water.	£3 and 8/- costs.
14	25.7	"	" "	} £5 and £1/1/0 costs.
15	26.7	"	" "	
21	5.6	"	deficient in milk fat.	
22	10.7	"	of added water.	£2
30	10	"	deficient in milk fat.	£1
36	9.8	grains of	boric acid per gallon.	£1
178	5.9	per cent.	of added water.	£2
304	26	"	deficient in milk fat.	£1
308	16	"	" "	£1
338	29	"	" "	£1
381	7.6	"	" "	£1
383	9.6	"	of added water.	£1 and 10/- costs.
397	19.3	"	deficient in milk fat.	£1 and 10/6 costs.
403	5	"	" "	£1
*404	14.6	"	" "	£5
441	5	"	of added water.	£1
442	5.6	"	" "	£1
*471	11	"	" "	£5
*475	12.4	"	" "	£5
478	9	"	deficient in milk fat.	£1
*519	11	"	of added water.	£3
520	13.8	"	" "	Dismissed. Wholesale dealer fined. (See 563 and 564.)
525	11.8	"	" "	10/-
*527	14	"	" "	£5
529	12.4	"	" "	£3
530	11.5	"	" "	£3
531	11.3	"	" "	£3
553	7.1	"	" "	£1
557	13.3	"	" "	£2
563	12	"	" "	£5
564	19.4	"	" "	£5
*572	35.4	"	" "	£25

* Previous conviction against vendor.

One dealer was prosecuted under Section 4 of the 1879 Act for refusal to sell. A penalty of £5 and 10/- costs was inflicted. An informal sample was taken from one of this dealer's customers and was found to contain 23.4 per cent. of added water.

In the case of samples marked with an asterisk there were previous convictions against the vendors, as follows :—

In the case of 1 vendor there was 1 previous conviction.

" " 2 vendors there were 2 previous convictions.

" " 1 vendor there were 5 previous convictions.

It is quite obvious that the smallness of the penalties is no deterrent to adulteration. If penalties such as those sanctioned by the Acts were imposed more frequently one cannot help feeling that milk adulteration would soon cease. The maximum penalties are as follows :—

For the first offence, £20.

For the second offence, £50.

For the third offence, £100, with or without three months' imprisonment.

**Other
Foods.**

The following numbers of samples of other articles were taken and found to be genuine :—
Butter 72, Pepper 16, Lard 17, Cheese 22, Camphorated Oil 8, Compound Liquorice Powder 13,
Sweet Spirit of Nitre 7, Margarine 4, Dripping 1, Coffee 1.

Spirits.

Twenty-eight Whiskey samples were taken, and 4 were found to be below the standard.
The fines imposed were :—one of £2 and 5/- costs, one of £1 and 10/- costs, and two of £1 each.

Twenty-seven samples of Rum were taken and 7 were found to be below the standard.
The fines imposed were :—one of £2 and 5/- costs, one of £1 and 10/- costs, one of £1, and the
other four persons were cautioned by letter.

Twenty-six samples of Gin were taken and 3 were found to be below the standard. One
fine of £1 was imposed and the other two vendors were cautioned by letter.

**Informal
Samples.**

Six informal samples of preserved Cream were taken. Five complied with the Milk and
Cream Regulations. One contained 0·26 per cent. of boric acid in excess of the limit prescribed
by the Regulations.

One informal sample of Dripping was taken and found to be adulterated with 50 per cent.
of water.

MATERNITY AND CHILD WELFARE WORK.

The attendances at the Baby Consultations show a large increase. The following are the
attendances since the work was begun in August, 1907 :—

**Baby
Consultations.**

1907 (from Aug. 12)	1,332	1912	...	...	9,425
1908	...	1913	...	...	11,912
1909	...	1914	...	...	14,521
1910	...	1915	...	...	22,281
1911	...				

**Women
Inspectors'
Work.**

The next table gives details of other work done by the Women Inspectors during 1915 :—

TABLE XVIII.

Visits to houses let-in-lodgings	...	...	...	...	801
Visits with regard to births	...	...	...	...	40,737
Visits with regard to Tuberculosis	...	...	...	...	5,570
Special reports to Tuberculosis Medical Officer	...	...	...	...	285
Visits with regard to School Complaints	...	...	...	...	86
Visits for other reasons	...	...	...	...	5,365
Cases reported to the N.S.P.C.C.	...	...	...	...	64
Cases reported to S.Q.V.D. Nursing Association	...	...	...	...	20
Cases reported to the Guild of Help	...	...	...	...	38
Nuisance notices served	...	...	...	...	353
Reports to District Sanitary Inspectors and other Departments...	...	...	...	...	850
New houses let-in-lodgings recommended for registration	...	...	...	...	8
Prosecutions for neglect of children	...	...	...	...	10
Children recommended for and subsequently sent to the Country	...	...	...	...
Holiday Society's Homes	...	...	...	...	18
Cases of nursed-out children reported to the Guardians under	...	...	...	...
Part I. of the Children Act	...	...	...	...	20

**Midwives
Act, 1902.**

At the end of the year 1915 there were 61 midwives in practice on their own account in Sheffield. Of this number 25 were certified by examination, 5 had had twelve months' training at a lying-in hospital, but had not sat for any examination, and 31 were untrained midwives, who were in bona-fide practice as such at the time of the passing of the Act.

There were 137 visits of inspection paid to midwives at their own homes during the year. According to the rules of the Central Midwives Board, notifications have to be sent by midwives under certain circumstances.

There were 193 notifications of still-births received from midwives, 106 having reference to full-time births and 87 to premature births. In each of the latter cases a burial certificate was issued by the department after enquiry had been made.

The number of notifications received that the midwife had been obliged to send for medical help was 549.

The reasons for sending for medical help, as far as can be ascertained, were as follows :—

- (1) Abnormal presentations, namely :—Funis, 2 ; Transverse, 7 ; Face, 11 ; Breech, 11 ; Foot, 5 ; Shoulder, hand or arm, 6 ; Right Occipito-Posterior, 10.
- (2) Causes affecting the child, namely :—Debility, 26 ; Asphyxiation, 9 ; Prematurity, 39 ; Spina Bifida, 2 ; Convulsions, 9 ; Ophthalmia, 48 ; Jaundice, 3 ; Cleft Palate and Hare lip, 1 ; Umbilical Hæmorrhage, 5 ; Miscellaneous, 17 ; total, 159.
- (3) Causes affecting the mother, namely :—Placenta Prævia, 5 ; Ante-partum hæmorrhage, 13 ; Post-partum hæmorrhage, 25 ; Uterine Inertia, contracted pelvis and undilated os, 79 ; Adherent placenta, 27 ; Adherent membranes, 2 ; Laceration of perinæum, 73 ; Rise of temperature, 52 ; Eclampsia, 2 ; Miscarriage, 5 ; Prolapse of uterine wall, 2 ; Phlebitis, 6 ; Miscellaneous, 36.

**Puerperal
Fever.**

There were 64 cases of Puerperal Fever notified during the year, of which 30 ended fatally. There were 79 visits paid with regard to these cases. In 22 cases the confinement was attended by a medical practitioner and 11 of these cases ended fatally. In one case which ended in recovery the confinement was attended by a medical practitioner and a midwife. Three cases occurred inside the Jessop Hospital, two of which ended fatally, and one case occurred in the practice of the Jessop Hospital district midwife, which also ended fatally. Two cases occurred inside Firvale Hospital which both ended fatally. There were five cases in connection with abortions which were not attended by either a medical practitioner or a midwife, and four of these ended fatally. In one other case an inquest was held and the verdict returned was—"Wilful murder against some person or persons unknown." There were 29 cases in connection with the practices of midwives and 9 cases ended fatally. There were two fatal cases in the practice of one midwife, and one case each in the practice of 7 midwives.

Since July 1st, 1915, the Corporation have maintained two beds at the Jessop Hospital for Women for cases of Puerperal Sepsis. During the six months from July 1st to December, 8 patients were under treatment for an aggregate of 299 days. Three cases ended fatally and five in recovery.

**Ophthalmia
Neonatorum.**

There were 189 cases of Ophthalmia Neonatorum notified during the year. Of this number 19 occurred in confinements attended by medical practitioners, and of these, in one case the child lost the sight of both eyes, and in two other cases the eyes were left weak.

There were 168 cases which occurred in confinements attended by midwives. Of these, in two cases the child lost the sight of one eye. In three other cases the child died from another cause during the attack ; and in two other cases the family removed and could not be traced.

Two cases occurred in connection with confinements in the Jessop Hospital and Sheffield Union Hospital respectively, and in both cases recovery without damage took place.

TABLE XIX.—*Conversion of Privies into Water Closets.*

Years.	Number of Notices Served to Convert.	Number of Notices to provide Additional Accommodation.	Number of Premises where Work has been Completed.	Number of Houses Involved.	Number of Workshops Involved.	Number of Privies Converted by Owners and by the Corporation.	Number of Additional Water Closets erected by Owners and by the Corporation.	Cost of Conversions executed by the Corporation.	Cost of Additional Closets erected by the Corporation.	Contributions to Owners in lieu of 1/3rd Cost of Conversions.	Nett Expenditure by Corporation, being 1/3rd cost or in lieu of 1/3rd cost of Conversions.
1890-1903	2,433	1,178	1,679	13,030	579	5,147	1,899	£ 20,777	£ 5,708	£ 2,808	£ 20,695
1904	676	182	496	3,282	89	1,547	319	10,497	2,016	2,400	5,916
1905	708	233	638	4,034	79	1,947	390	12,914	2,538	3,271	8,027
1906	950	211	710	4,445	100	2,313	422	11,381	2,374	3,956	6,796
1907	880	378	751	4,530	95	2,296	403	11,457	1,729	4,223	8,000
1908	908	238	688	3,952	59	2,082	302	11,103	1,514	4,050	7,789
1909	744	145	559	3,009	26	1,710	195	11,047	1,213	2,612	6,276
1910	482	69	607	3,294	59	1,955	226	14,389	1,441	3,371	8,180
1911	569	78	557	2,453	11	1,742	141	10,621	604	2,324	5,848
1912	453	58	482	2,321	25	1,349	117	12,414	997	2,228	6,364
1913	360	47	531	2,586	16	1,589	131	14,012	771	2,092	6,869
1914	676	74	628	2,940	36	1,822	127	20,799	803	3,295	10,173
1915	116	8	572	2,528	19	1,538	78	8,020	151	1,963	4,640

Nett Expenditure to 25th March, 1916, out of borrowed money £93,279
Amount raised in the Rate since the beginning of the Conversion Scheme 12,294

Total £105,573
£36,721

Unexpended borrowing power at 25th March, 1916

N.B.—The figures given in the last four columns of the table are taken from the Abstract of Accounts of the City Treasurer. They refer to the financial year ending 25th March—3 months later than the year to which the other figures refer.

SALE OF FOOD AND DRUGS ACTS.

TABLE XX.—*Food and Drugs Samples purchased in pursuance of the Sale of Food and Drugs Acts, also the number found to be Adulterated, during 1915 and the preceding ten years.*

ARTICLES PURCHASED FOR ANALYSIS.	1905		1906		1907		1908		1909		1910		1911		1912		1913		1914		1915	
	TOTAL, SAMPLES.	NO. ADULTERATED.	TOTAL SAMPLES.	NO. ADULTERATED.	TOTAL SAMPLES.	NO. ADULTERATED.	TOTAL SAMPLES.	NO. ADULTERATED.	TOTAL SAMPLES.	NO. ADULTERATED.	TOTAL SAMPLES.	NO. ADULTERATED.	TOTAL SAMPLES.	NO. ADULTERATED.	TOTAL SAMPLES.	NO. ADULTERATED.	TOTAL SAMPLES.	NO. ADULTERATED.	TOTAL SAMPLES.	NO. ADULTERATED.	TOTAL SAMPLES.	NO. ADULTERATED.
Milk... ..	418	36	412	31	468	40	512	42	432	48	475	41	401	26	326	29	421	36	390	41	425	62
Butter	70	4	73	...	134	4	118	4	126	...	92	3	46	2	92	4	85	2	52	1	72	...
Margarine	7	...	2	...	1	...	1	...	...	...	...	...	1	...	1	...	5	...	5	...	4	...
Cream ... ..	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...	...	...	1	...	...	...
Cheese	10	2	7	...	17	...	22	...	23	...	19	...	19	...	21	...	18	...	20	...	22	...
Lard	13	...	44	...	42	...	28	...	29	...	37	...	17	1	16	...	20	...	19	...	17	...
Whisky	62	13	60	10	44	2	19	3	20	...	48	7	21	1	28	4	29	...	30	4	28	4
Gin	8	...	45	2	33	...	5	2	8	1	26	7	17	2	23	3	22	1	24	6	26	3
Brandy	1	...	...	...	...	...	...	...	4	1	3	...	2	...	2	1	5	...	2	...	...	...
Rum	6	2	42	1	36	2	11	3	14	2	45	10	18	...	26	2	24	1	26	4	27	7
Pepper	7	...	4	...	3	...	10	...	27	...	40	1	19	2	42	4	17	...	23	...	16	...
Mustard ... ..	...	...	...	...	...	...	1	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Ground Ginger	10	...	3	...	1	...	5	...	4	...	...	...	11	...	2	...	3	...	1	...	...	...
Rice ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...
Drugs	81	9	31	2	91	8	80	2	73	2	77	3	40	7	68	4	50	5	44	3	28	...
Other Articles	3	...	...	...	5	3	4	...	22	13	1	...	...	...	3	1	...	...	3	...	2	...
TOTALS	696	66	723	46	875	59	817	56	784	67	863	72	614	41	654	52	699	45	640	59	667	76
Percentage adulterations Sheffield ...	9·5		6·4		6·7		6·9		8·5		8·3		6·7		8·0		6·4		9·2		11·4	
Percentage adulterations England ...	8·2		9·3		8·1		8·5		7·5		8·2		8·7		8·4		8·2		...		...

The figures given above do not correspond with those given in the reports of the Local Government Board, because the samples certified by the City Analyst to be below the standard, but not certified to be adulterated, are not included in the columns "No. Adulterated."

REPORT OF THE CHIEF VETERINARY INSPECTOR FOR THE YEAR 1915.

VETERINARY STAFF.

During the year the staff consisted of the Chief Veterinary Inspector and one assistant, the work being necessarily curtailed owing to shortage of assistance.

TRAM AND OTHER ACCIDENTS.

Twenty-seven cases of alleged damage to animals due to tram accidents were investigated, and reports made to the General Manager of the Tramways.

SLAUGHTER-HOUSES.

The following list shows the number of slaughterhouses in the City at December 31st, 1915 :—

No. of Slaughterhouses belonging to the Corporation and in use previous to 1865	35
No. of Slaughterhouses in use previous to 1865, of which there is no evidence of registration	8
No. of Slaughterhouses now in use and on the Register drawn up in 1865 under the Town Improvement Act, 1847.	28
No. of Slaughterhouses licensed under the Public Health Act, 1875	10
No. of Slaughterhouses licensed annually under the Sheffield Corporation Act, 1890	76
No. of Horse Slaughterhouses licensed	1
Total No. of Slaughterhouses on the Register	158

Eight slaughterhouses were transferred to new occupiers during the year.

One new annual licence has been granted and two have been allowed to lapse. One licence under the P. H. Act, 1875, lapsed owing to death of licensee. Two slaughterhouses for which there was no record of licence or registration, are now used for other purposes.

MEAT AND FOOD INSPECTION.

The following represents the work of meat inspection—

No. of visits to Slaughterhouses	3,677
No. of visits to Market Places and Shambles	2,050
No. of visits to Shops and Stores	2,566

In connection with Meat Inspection 306 notifications of 509 diseased or suspected animals or carcasses were received from butchers, 62 being in respect of carcasses in private slaughterhouses, and 244 in respect of carcasses in Slaughter-house 42 in the Killing Shambles, the slaughterhouse set apart by the Health Committee for butchers to kill and dress suspected animals and carcasses as the case may be. After inspection of the 509 carcasses, 287 were passed as fit for human food, the diseased parts (if any) being first removed and destroyed, and 222 were condemned, being afterwards voluntarily surrendered by the owners for destruction. A payment of 1s. 6d. per cwt. is allowed by the Health Committee to the owners for carcasses so notified, surrendered and destroyed.

The following summary includes all carcasses and articles of food condemned :—

- (1) *Fresh Meat*.—(a) Affected with Tuberculosis—61 carcasses of beef ; 6 beasts' offals ; 5 beasts' heads ; 5 beasts' hearts ; 96 beasts' lungs ; 33 beasts' livers ; 4 beasts' spleens ; 21 beasts' udders ; 6 beasts' viscera ; 2 beasts' kidneys ; 6 pieces of beef ; 8 beasts' stomachs ; 6 pigs' carcasses ; 1 guts ; 14 gut fat.

(b) Affected with other diseases or decomposing—12 beasts' offals ; 3 beasts' heads ; 3 beasts' hearts ; 14 beasts' lungs ; 36 beasts' livers ; 14 beasts' spleens ; 11 beasts' udders ; 4 beasts' kidneys ; 1 pig's offals ; 9 carcasses of pork ; 1 pig's head ; 2 pigs' lungs ; 5 pigs' livers ; 1 pig's spleen ; 2 pigs' udders ; 3 sheep's offals ; 1 sheep's head ; 1 sheep's lungs ; 2 sheep's livers ; 4 pieces of veal ; 2 calves' offals ; 2 calves' heads ; 2 calves' lungs ; 2 calves' livers ; 1 calf's spleen ; 1 leg of lamb ;

1 leg of mutton ; 40 carcasses of beef ; 6 beasts' stomachs ; 54 carcasses of sheep ; 4 pieces of pork ; 3 parcels of pork bones ; 6 carcasses of lamb ; 10 cowhorns ; 46 carcasses of veal ; 7 bags beasts' offals ; 1 bag beasts' cheeks ; 6 pieces of mutton.

(2) *Preserved Food*.—4494 tins of canned food.

(3) *Foreign and Frozen Meat*.—7 bags and 88 pieces of beef ; 1 box, 1 barrel and 2 bags of tripe ; 45 dozen sheeps' kidneys ; 2 cases pigs' pluck ; 1,069 lbs. beef ; 5 boxes lambs' livers ; 1 case sheep's plucks ; 2 barrels pigs' offals.

(4) *Game, etc.*—719 couples of rabbits.

(5) *Poultry*.—6 couples fowls ; 36 wood pigeons ; 1 couple ducks.

(6) *Fruit*.—12 cases of pears.

(7) *Vegetables*.—3 boxes radishes ; 2 baskets of mushrooms ; 60 crates of lettuce.

(8) *Fish*.—451 boxes, barrels, crates, etc., of various species.

The total weight condemned during the year was 36 tons 10 cwts. of meat ; 35 tons 11½ cwts. of fish ; and 21 cwts. of fruit and vegetables.

MEAT PROSECUTIONS.

During the year three magistrates' orders were required for the condemnation and destruction of bad meat. Four prosecutions were ordered by the Health Committee, one defendant being fined £25, one £10, and the other two £5 each.

DAIRY INSPECTION.

During the year over 600 visits were made to dairy farms within the city. Two new cowsheds were built during the year, giving accommodation for 12 cows.

The number of cowshed premises inside the city was 211, having 354 cowsheds and accommodation for 2,910 cows. The occupiers of 6 of these premises (=23 cows) have given up keeping cows to produce milk for sale. The total maximum number of cows kept in the city was 2,598.

During the year 584 samples of mixed milk coming into Sheffield were taken for bacteriological examination, 53 of which, equal to 9·1 per cent., gave a positive result, whilst 531 were negative. 323 of the mixed samples came into the City by road conveyances, 28 of which (8·6 per cent.) were tuberculous, whilst 261 came by rail, 25 of which (9·5 per cent.) were tuberculous.

In following up the 53 tuberculous samples, 78 visits were made to 55 farms, and the udders of 770 cows examined. At 17 of these farms 19 cows with tuberculous udders were found. At the remaining 38 farms no cows with tuberculous udders were found, and subsequent control samples of the mixed milk from these farms were proved negative by bacteriological examination. In most of these instances the farmers had sold cows off the farms during the period intervening between the taking of the tuberculous mixed sample and the date of the inspection. Two farms were visited because the milk sellers obtained part of their milk supplies from them.

The average number of cows found at the 55 farms from which tuberculous mixed samples were sent was 14, and if we allow that number for the 527 farms from which the negative mixed samples were sent, we have 7,378 cows, the milk from which was examined bacteriologically and proved negative. The total number of country cows examined either clinically or (through their milk) bacteriologically, will thus total up to 770(+7,378) 8,148, amongst which 19 cows with tuberculous udders were found, equal to a percentage of 0·24. If we take the percentage of 19 tuberculous udders amongst the 770 country cows clinically examined, the figures work out at 2·4 per cent.

Control Samples.—Altogether 131 control samples were taken, 45 representing 41 farms and 657 cows, being taken from country herds, and 86 representing 59 farms and 1,116 cows, from city herds.

Eight of the country samples, equalling 17·7 per cent., and nine of the city samples (10·4 per cent.) were found to be tuberculous. At some of the country farms difficulty in finding the cows giving tuberculous milk was met with and several control samples had to be repeated.

Special Samples.—A total of 94 special samples were taken, 53 being from City cows, 17 of which (32 per cent.) were positive and 41 from country cows, 11 of which (28 per cent.) were positive.

Including country cows examined 94 showed symptoms suspicious of Tuberculosis of the udder, and a sample of milk was taken from each of them for bacteriological examination. 28 proved positive, 66 giving negative results. Ten city cows were condemned on microscopical examination of the milk alone, making a total of 38.

The 38 cows thus definitely proved to have tuberculous udders were disposed of as follows :— 10 were sold by the owners and were lost sight of ; and 28 were killed, the carcasses of 18 being passed as human food after the diseased parts had been first removed and destroyed, and 10 totally condemned, and the carcasses destroyed at the destructor or knackers' yards.

DISEASES OF ANIMALS ACTS AND ORDERS.

ANTHRAX.

Six suspected outbreaks of Anthrax were reported on premises in the city. Each case was investigated and the presence of the disease was confirmed in 3 cases.

GLANDERS AND FARCY.

One case was reported, 2 animals being attacked.

PARASITIC MANGE.

The Parasitic Mange Order was again brought into operation on March 28th, and 17 suspected outbreaks of this disease in studs in the city were dealt with. In 16 cases the existence of the disease was confirmed. Seventeen horses were affected. All were isolated and medically treated until cured or slaughtered. Thirty-eight in-contact horses were also inspected.

SWINE FEVER.

Two hundred and sixty-two cases of illness or death of pigs were reported during the year. In 45 cases the symptoms or post mortem appearances were suspicious of Swine Fever, and the cases were consequently reported to the Board of Agriculture and Fisheries in compliance with the Swine Fever Order. These cases were investigated by the Veterinary Inspectors of the Board, and 27 were confirmed as Swine Fever. Owing to the large number of pigs which had been directly or indirectly in contact with the affected pigs, 40 notices of detention and isolation had to be served, 283 pigs being concerned. Nearly one hundred visits had to be made to see the Orders were being observed. Two prosecutions were ordered for offences in connection with Swine Fever and movement of swine. Fines of £5 and £2 were imposed.

SWINE MOVEMENT ORDERS.

The following summary shows the number of pigs for which movement licences were issued during the year :—

Number of store pigs licensed into the city	...	...	...	...	...	...	3,189
„ fat pigs licensed to sale yards and slaughterhouses in the city	...	...	...	...	...	...	57,292
„ fat pigs licensed from sale yards to slaughterhouses in the city	...	...	...	...	...	...	41,405
„ fat pigs licensed to slaughterhouses outside the city	...	...	...	...	...	...	3,996

SHEEP DIPPING.

In the first period the number of sheep dipped was 392 and in the second 360. The portion of Sheffield lying between the Midland Railway from Chesterfield and the Great Central Railway from Penistone is included within the Yorkshire (West Riding) and Peak District (Sheep Dipping) Order of 1912. This Order is still in force. To comply with this Order sheep had to be dipped twice during the month of September with not less than 10 days and not more than 21 days interval between the first and second dippings. Three owners, having 83 sheep, complied with the Order. Three owners not included in the above area gave notice of two dippings each, 392 and 360 sheep being dipped at the respective dippings.

RABIES.

There was one suspected case of rabies to investigate during the year, but the existence of the disease was not confirmed.

FOREIGN DOGS.

During the year 3 foreign dogs were licensed into the city, under the Importation of Dogs Order of 1901. They belonged to 2 different owners, and all were dogs performing at Sheffield music halls. Three visits were paid to see that the Board of Agriculture's conditions were being complied with by the owners.

ANIMAL TRANSIT.

Repeated visits were made to the railway stations and cattle landings for the purposes of the Animals (Transit and General) Order of 1912, and the Exportation of Horses Orders of 1910.

HORSE SALES.

The weekly auctions of horses and the horse fairs were regularly visited as required by the Glanders and Farcy Order of 1907.

MARKETS AND SALEYARDS.

Repeated visits were made to the Calf Market, and the saleyards authorised for the sale of pigs.

VETERINARY CHARGE OF CORPORATION HORSES.

In connection with the treatment of sick and lame horses in the Corporation studs, 372 visits were made to 11 stable depots. Veterinary advice was also given to the different committees in connection with the purchase of new horses and the sale or slaughter of horses unfit for further service owing to disease, lameness, etc.

Appended is a table showing the number of visits to each stable depot.

Stable Depot.	No. of visits.
Heeley	99
Olive Grove	25
Penistone Road	70
Woodside	38
Worthing Road	44
Lodge Moor	9
Winter Street	15
Westbar	26
Carver Lane	43
Rockingham Street	1
Renishaw Tip	2
	<u>372</u>

PROSECUTIONS.

Table showing the prosecutions during the year, the Act or Order under which proceedings were instituted, the nature of the offences and the penalties imposed.

No. of case.	Act or Order under which prosecution was taken.	Nature of Offence.	Penalty imposed.
1	Swine Fever Orders	Illegal movement of swine.	£5
2	"	"	£2
3	Anthrax Order ...	Failure to notify Anthrax	£5
4	"	Illegally removing carcass	£5
5	Public Health Acts	Depositing diseased meat	Owner £5, salesman £5.
6	"	"	£10
7	"	"	£25

J. S. LLOYD, F.R.C.V.S., D.V.S.M. Vict.,
Chief Veterinary Inspector.

